Full wwPDB NMR Structure Validation Report (i)

Jul 28, 2026 – 06:29 PM EDT

PDB ID	:	9YFC / pdb_00009yfc
BMRB ID	:	31269
Title	:	Structure of A30P Alpha-synuclein Fibrils
Authors	:	Milchberg, M.H.; Warmuth, O.A.; Rienstra, C.M.
Deposited on	:	2025-09-25

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:

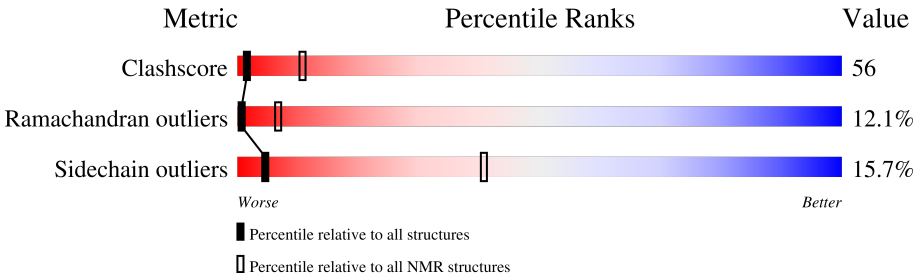
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.50

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 was not calculated.

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	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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	140	47% 53%
1	B	140	6% 24% 9% 8% 53%
1	C	140	9% 26% 12% 53%
1	D	140	9% 22% 11% 6% 53%
1	E	140	47% 53%

2 Ensemble composition and analysis (i)

This entry contains 10 models. Model 3 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	B:44-B:98, C:33-C:98, D:33-D:90 (179)	3.52	3

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

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

The models can be grouped into 2 clusters. No single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 4690 atoms, of which 2400 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Alpha-synuclein.

Mol	Chain	Residues	Atoms					Trace
1	A	66	Total	C	H	N	O	0
			938	286	480	79	93	
1	B	66	Total	C	H	N	O	0
			938	286	480	79	93	
1	C	66	Total	C	H	N	O	0
			938	286	480	79	93	
1	D	66	Total	C	H	N	O	0
			938	286	480	79	93	
1	E	66	Total	C	H	N	O	0
			938	286	480	79	93	

There are 5 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	30	PRO	ALA	engineered mutation	UNP P37840
B	30	PRO	ALA	engineered mutation	UNP P37840
C	30	PRO	ALA	engineered mutation	UNP P37840
D	30	PRO	ALA	engineered mutation	UNP P37840
E	30	PRO	ALA	engineered mutation	UNP P37840

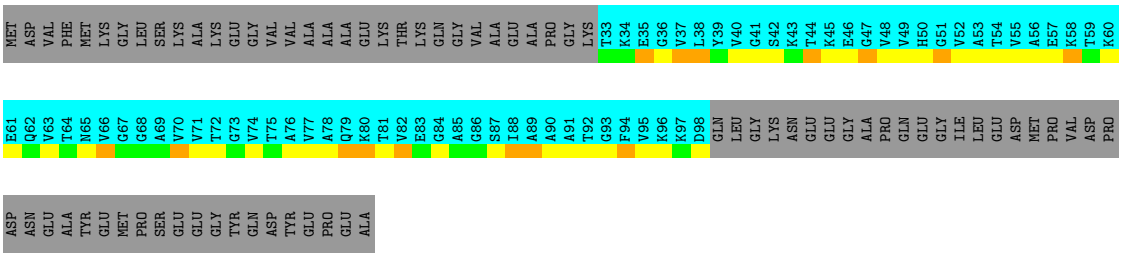
4 Residue-property plots

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.

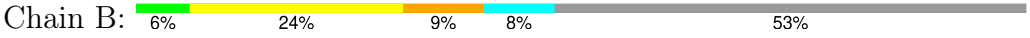
• Molecule 1: Alpha-synuclein

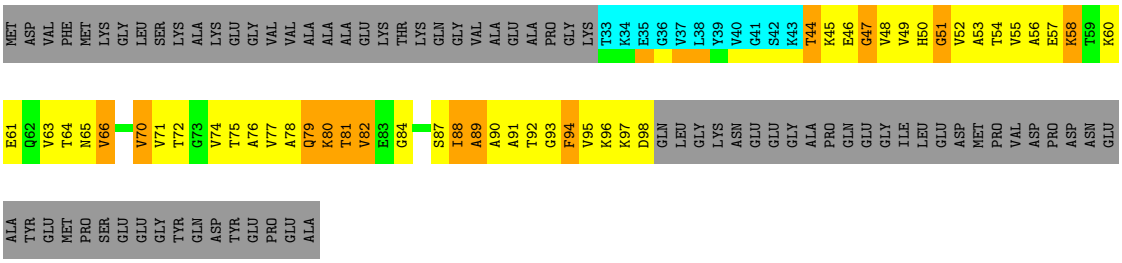
Chain A:



• Molecule 1: Alpha-synuclein

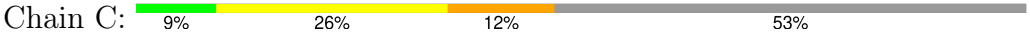
Chain B:

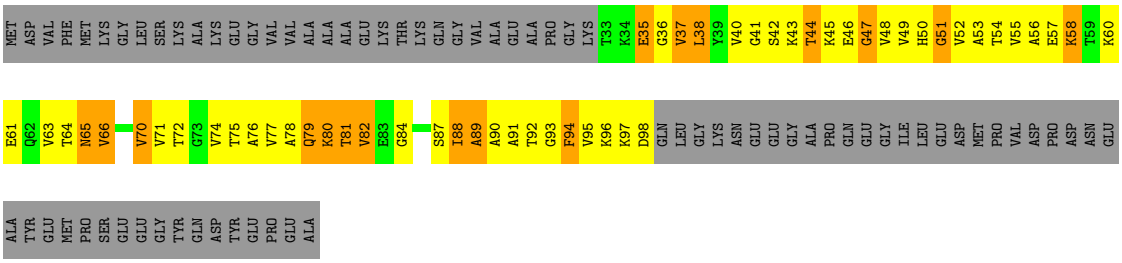




• Molecule 1: Alpha-synuclein

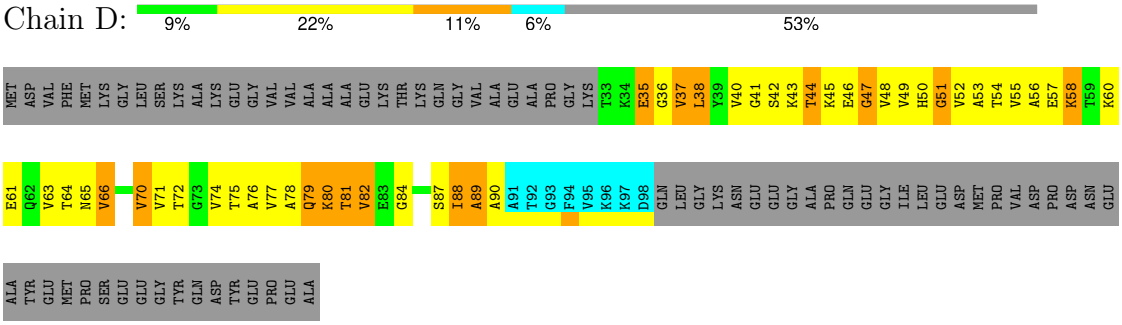
Chain C:





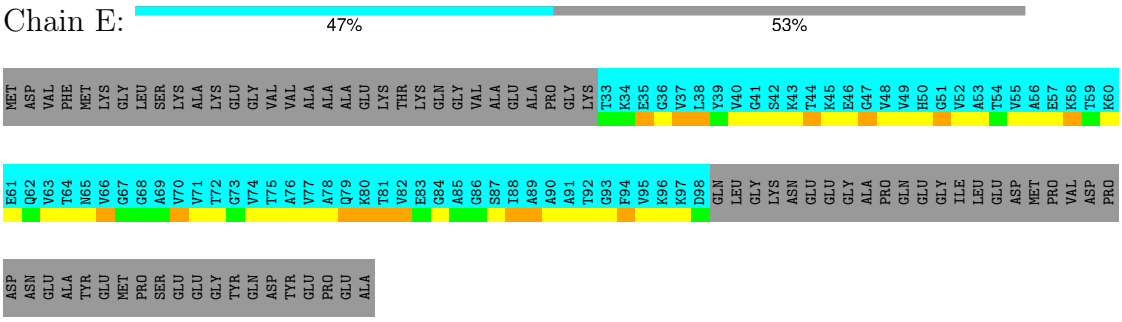
• Molecule 1: Alpha-synuclein

Chain D:



• Molecule 1: Alpha-synuclein

Chain E:



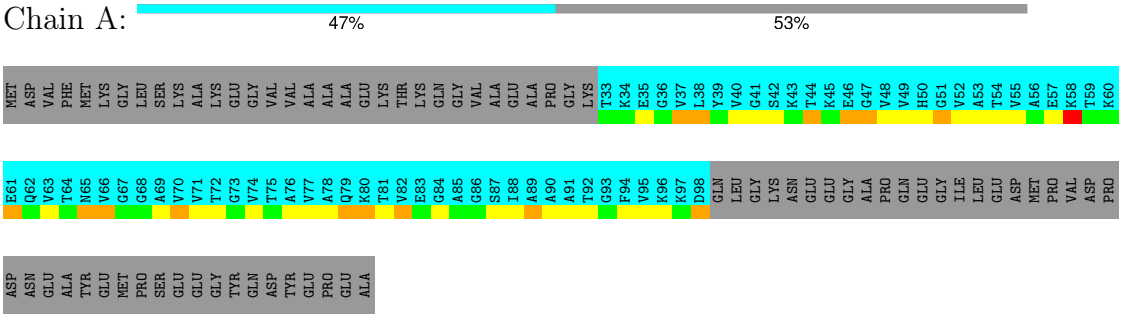
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

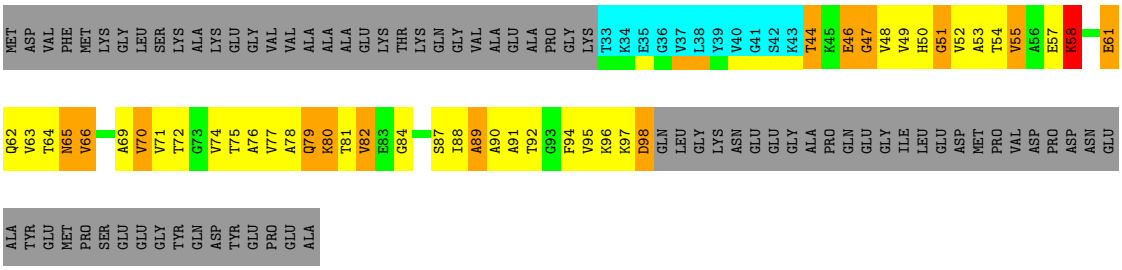
• Molecule 1: Alpha-synuclein

Chain A:



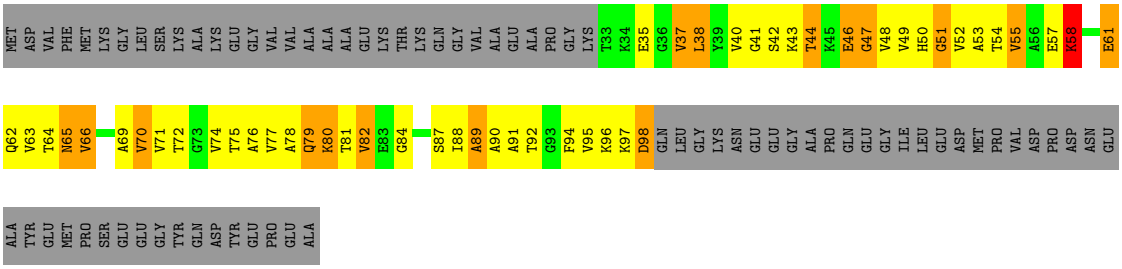
• Molecule 1: Alpha-synuclein

Chain B:



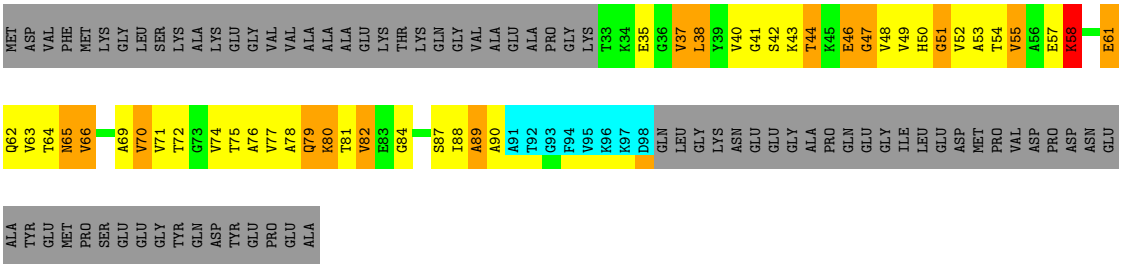
• Molecule 1: Alpha-synuclein

Chain C:



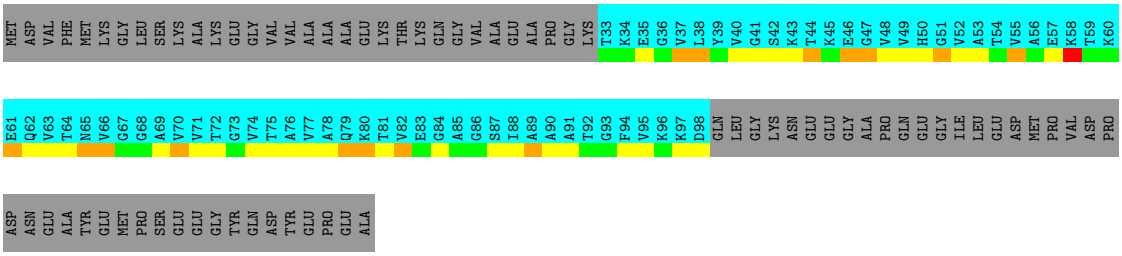
• Molecule 1: Alpha-synuclein

Chain D:



• Molecule 1: Alpha-synuclein

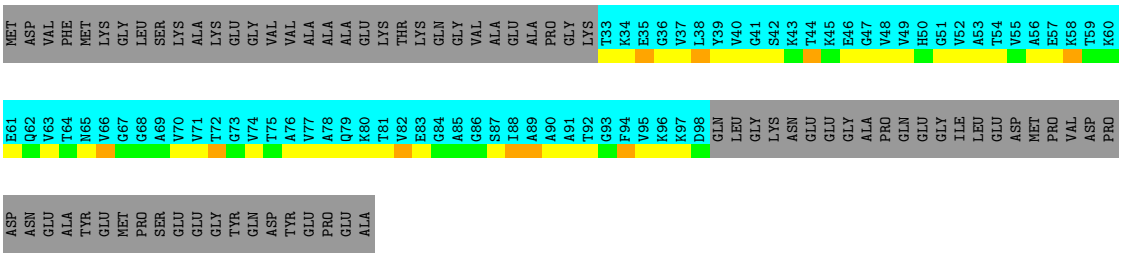
Chain E:



4.2.2 Score per residue for model 2

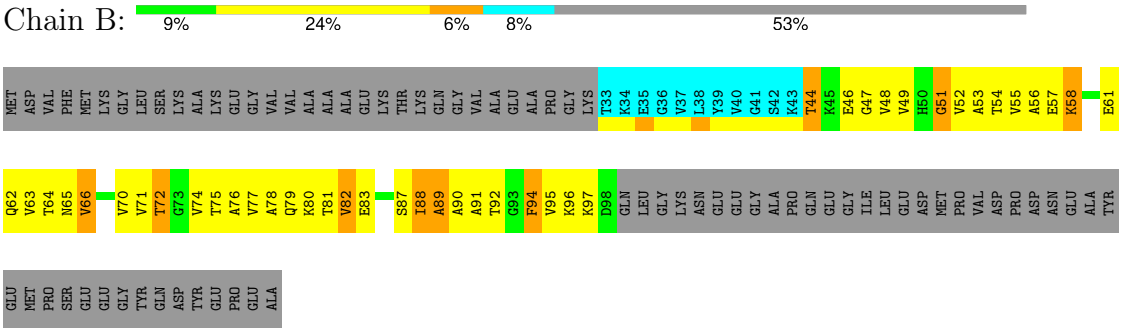
• Molecule 1: Alpha-synuclein

Chain A:



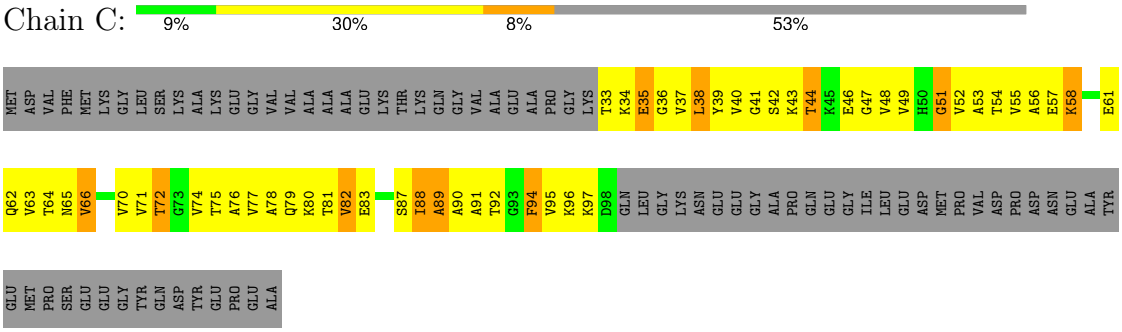
• Molecule 1: Alpha-synuclein

Chain B:



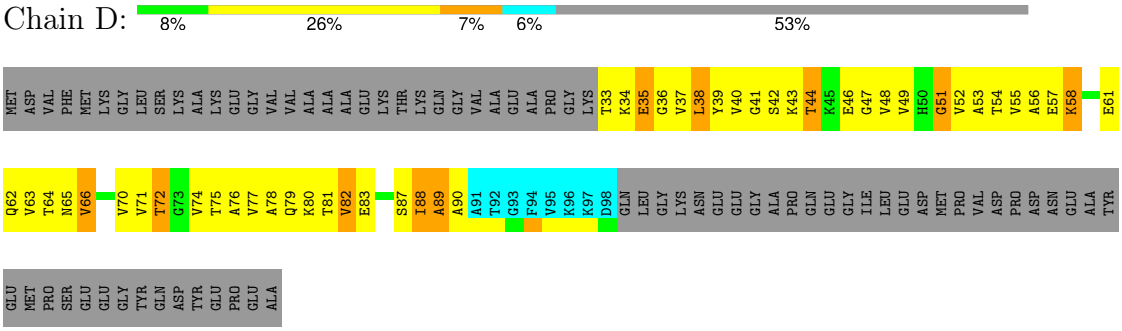
• Molecule 1: Alpha-synuclein

Chain C:



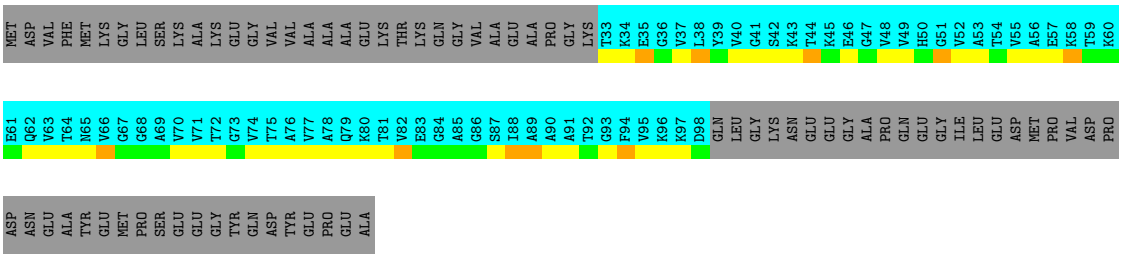
• Molecule 1: Alpha-synuclein

Chain D:



• Molecule 1: Alpha-synuclein

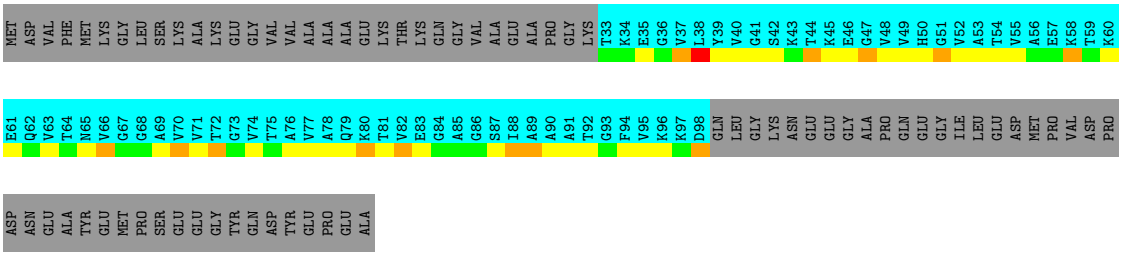
Chain E:



4.2.3 Score per residue for model 3 (medoid)

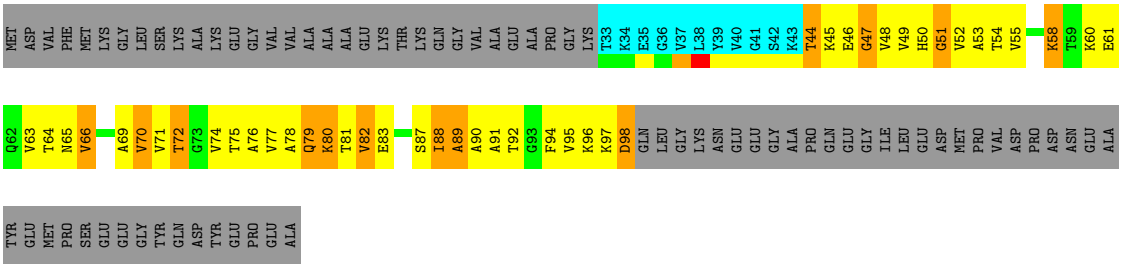
• Molecule 1: Alpha-synuclein

Chain A:



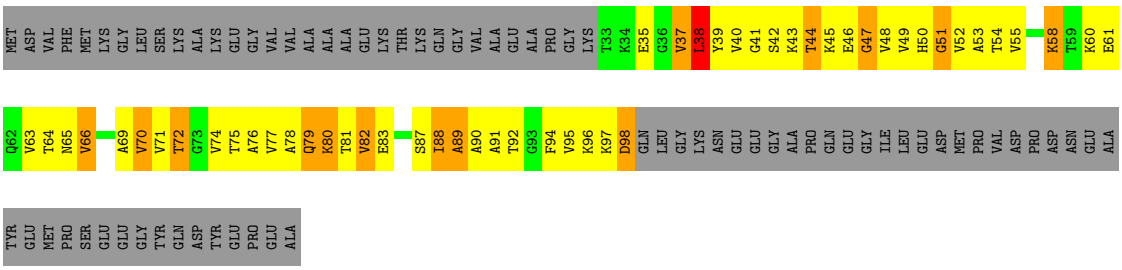
• Molecule 1: Alpha-synuclein

Chain B:



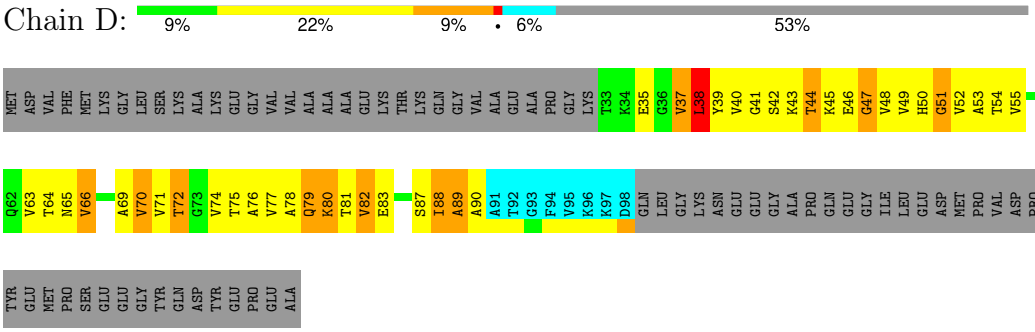
• Molecule 1: Alpha-synuclein

Chain C:



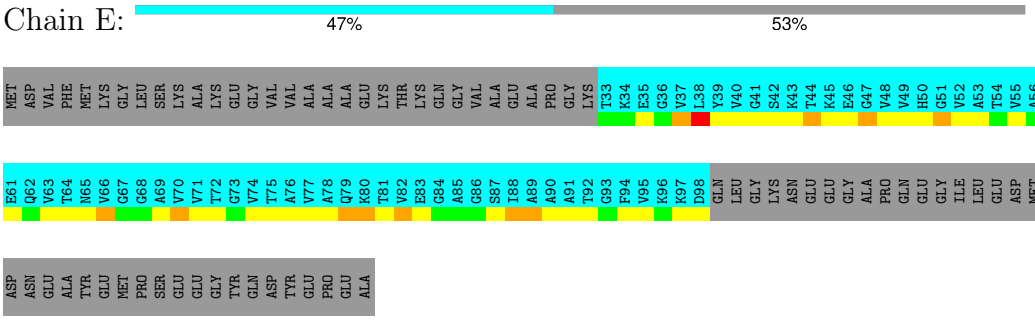
• Molecule 1: Alpha-synuclein

Chain D:



• Molecule 1: Alpha-synuclein

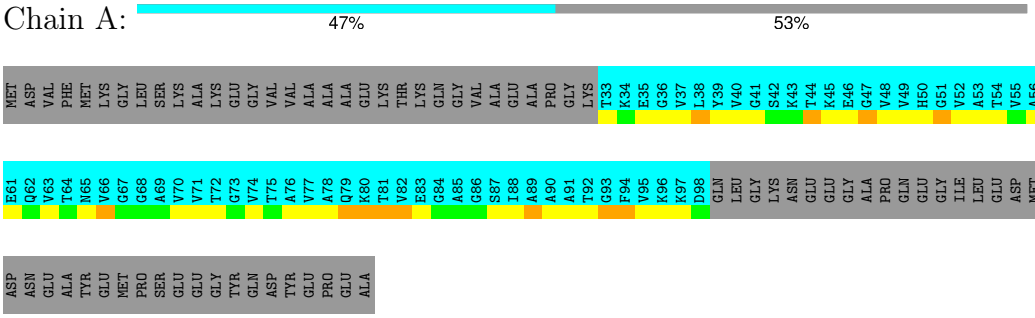
Chain E:



4.2.4 Score per residue for model 4

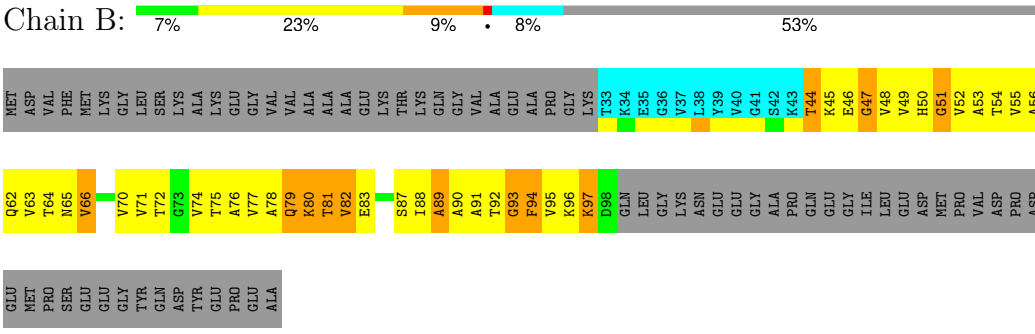
• Molecule 1: Alpha-synuclein

Chain A:



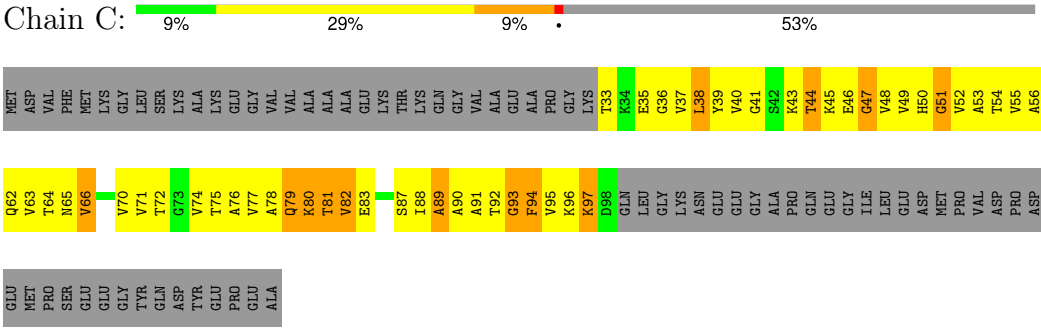
• Molecule 1: Alpha-synuclein

Chain B:



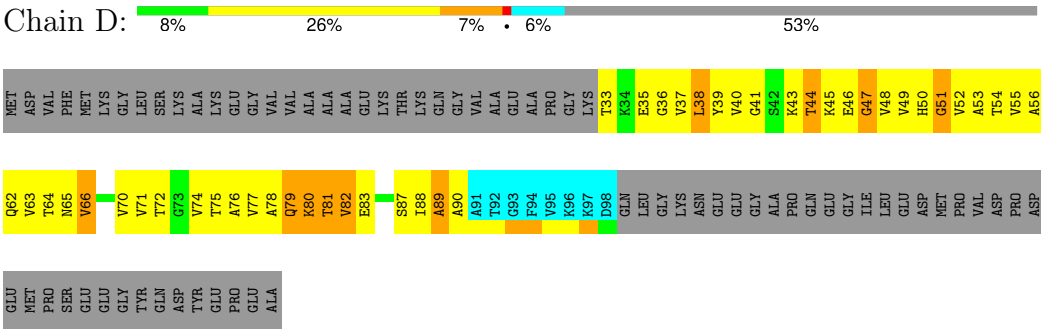
• Molecule 1: Alpha-synuclein

Chain C:



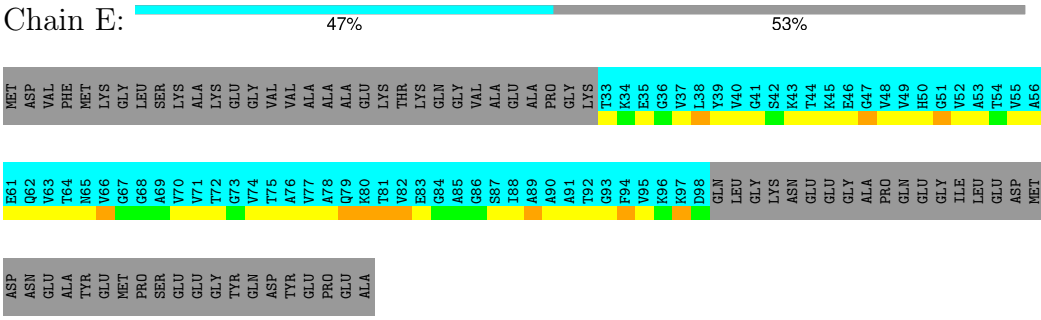
• Molecule 1: Alpha-synuclein

Chain D:



• Molecule 1: Alpha-synuclein

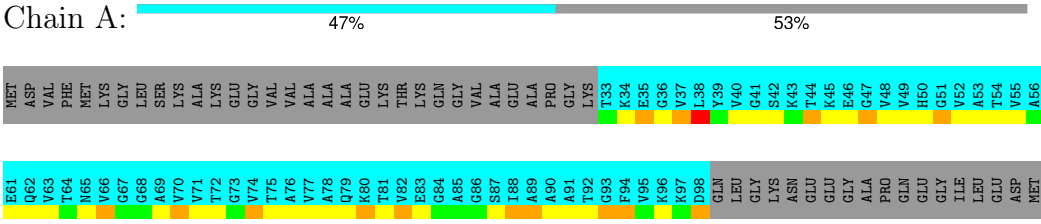
Chain E:

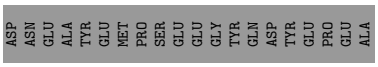


4.2.5 Score per residue for model 5

• Molecule 1: Alpha-synuclein

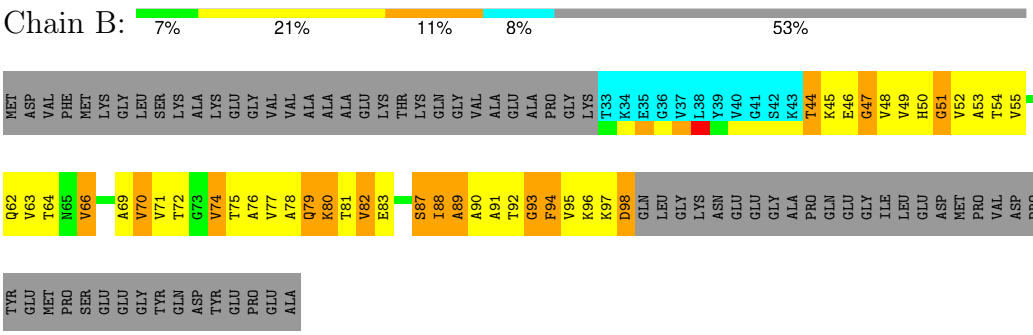
Chain A:





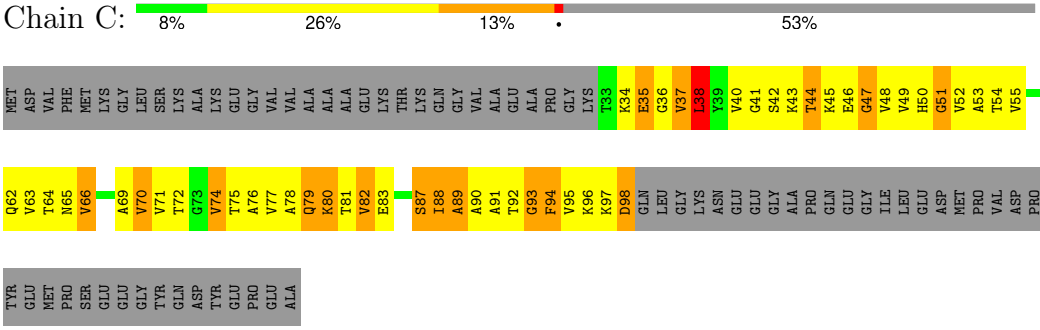
• Molecule 1: Alpha-synuclein

Chain B:



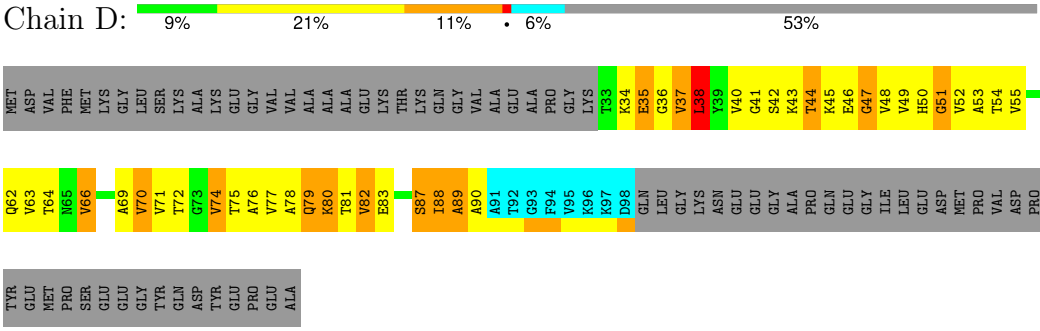
• Molecule 1: Alpha-synuclein

Chain C:



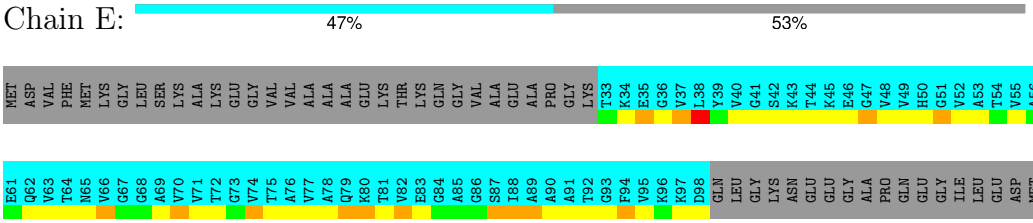
• Molecule 1: Alpha-synuclein

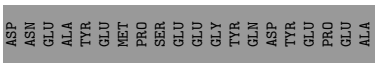
Chain D:



• Molecule 1: Alpha-synuclein

Chain E:

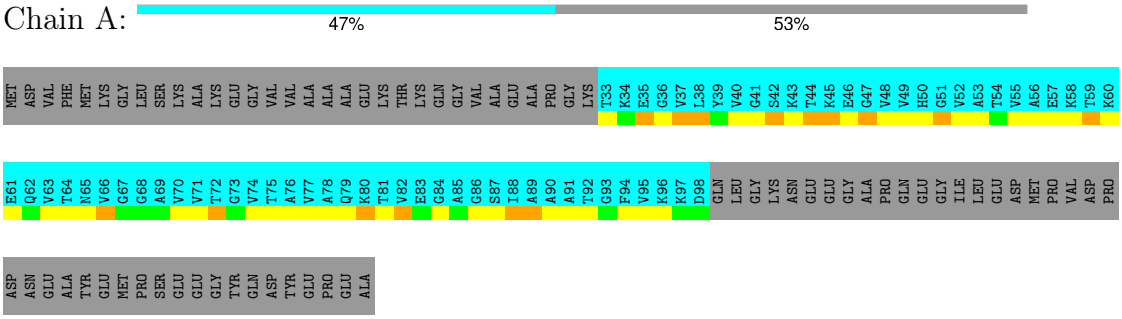




4.2.6 Score per residue for model 6

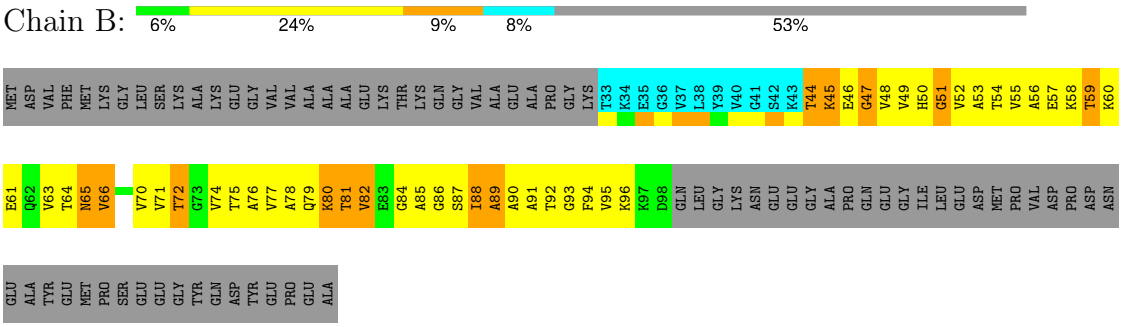
• Molecule 1: Alpha-synuclein

Chain A:



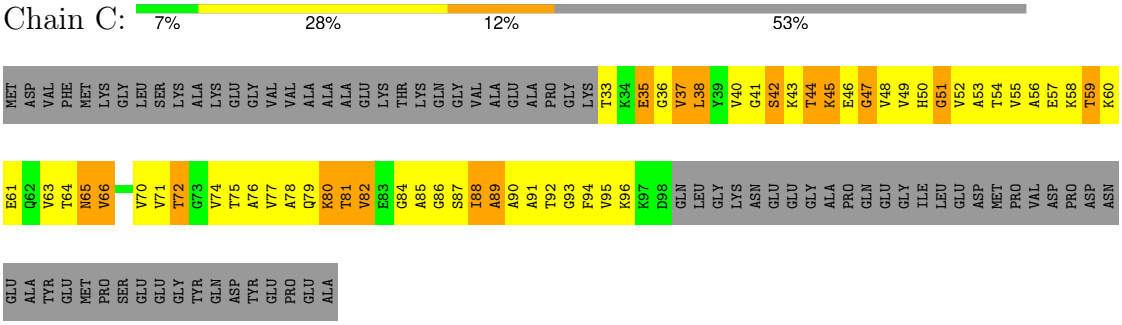
• Molecule 1: Alpha-synuclein

Chain B:



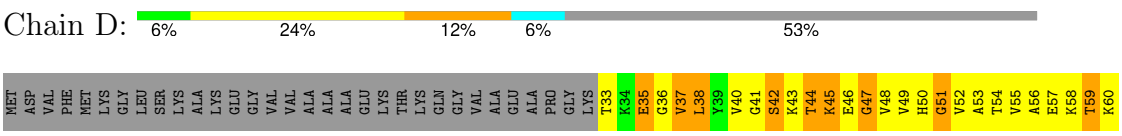
• Molecule 1: Alpha-synuclein

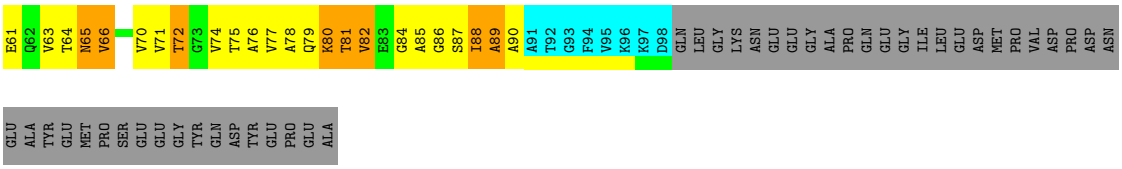
Chain C:



• Molecule 1: Alpha-synuclein

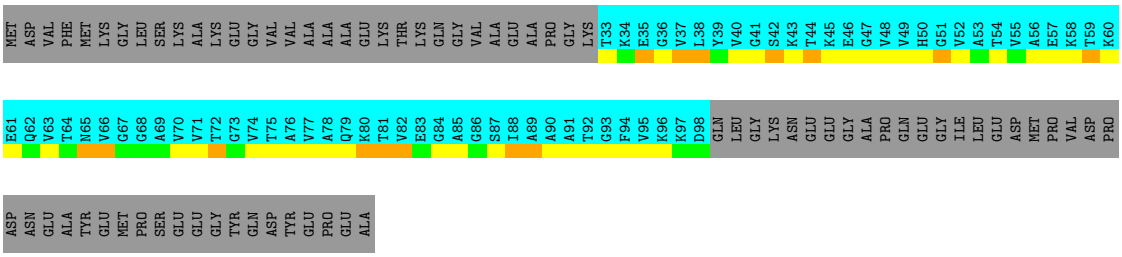
Chain D:





• Molecule 1: Alpha-synuclein

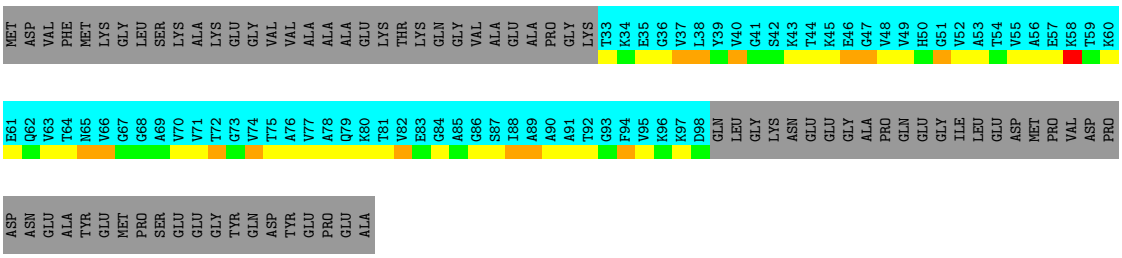
Chain E:



4.2.7 Score per residue for model 7

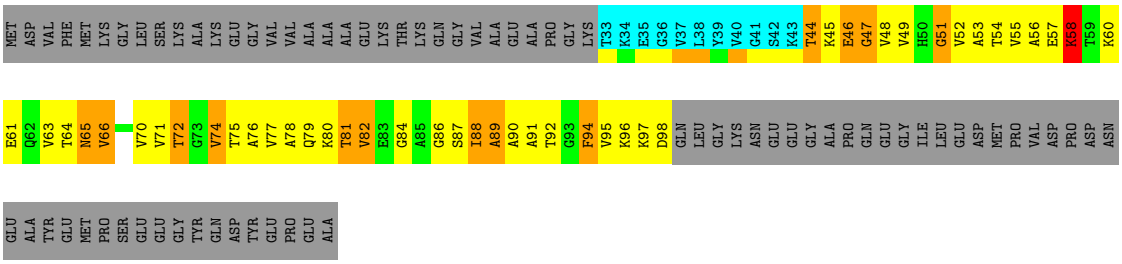
• Molecule 1: Alpha-synuclein

Chain A:



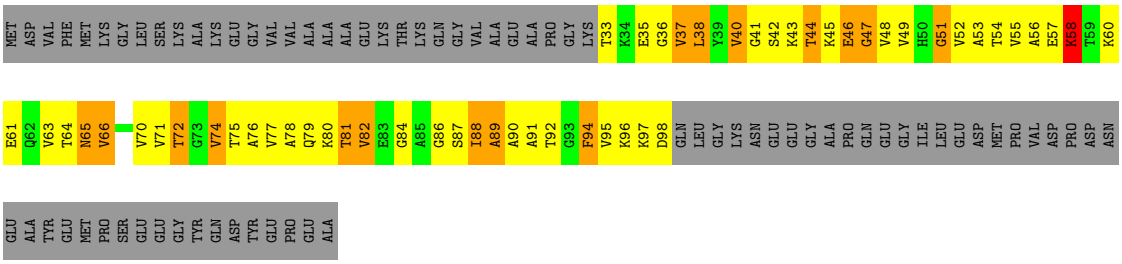
• Molecule 1: Alpha-synuclein

Chain B:



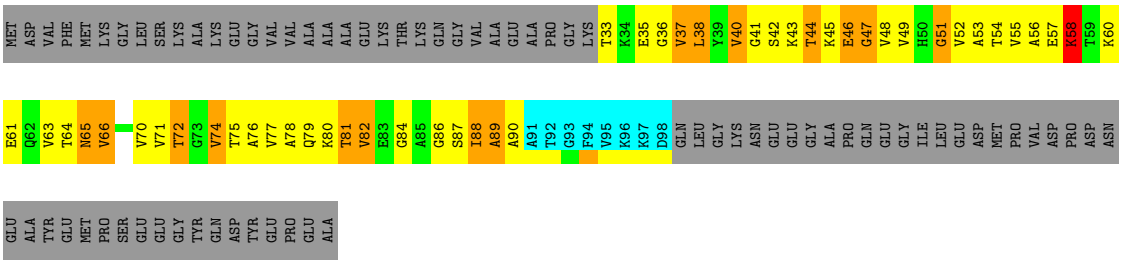
• Molecule 1: Alpha-synuclein

Chain C:



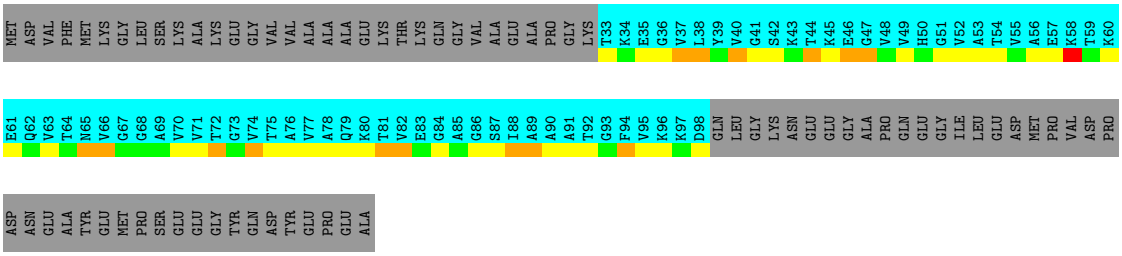
• Molecule 1: Alpha-synuclein

Chain D:



• Molecule 1: Alpha-synuclein

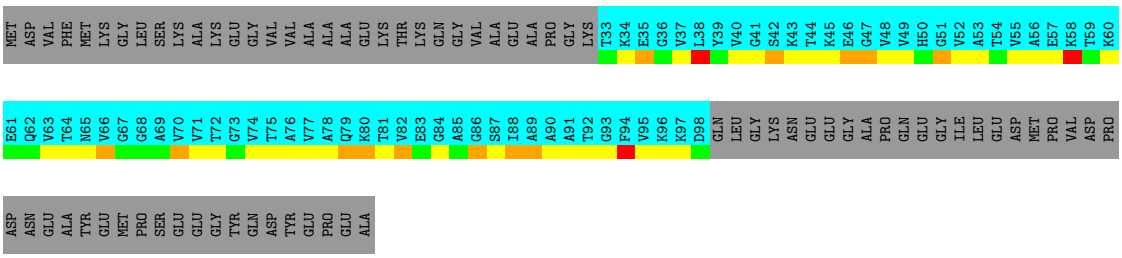
Chain E:



4.2.8 Score per residue for model 8

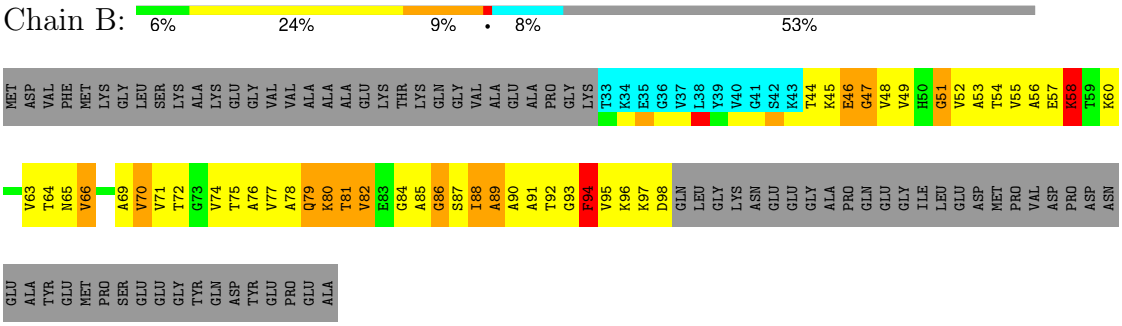
• Molecule 1: Alpha-synuclein

Chain A:



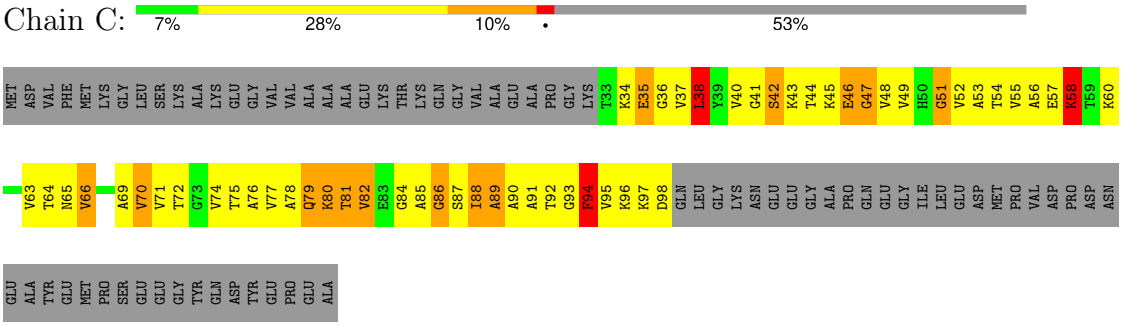
• Molecule 1: Alpha-synuclein

Chain B:



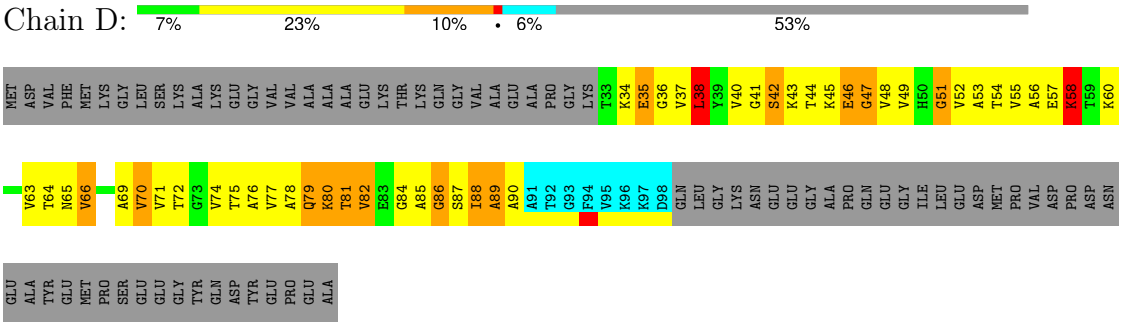
• Molecule 1: Alpha-synuclein

Chain C:



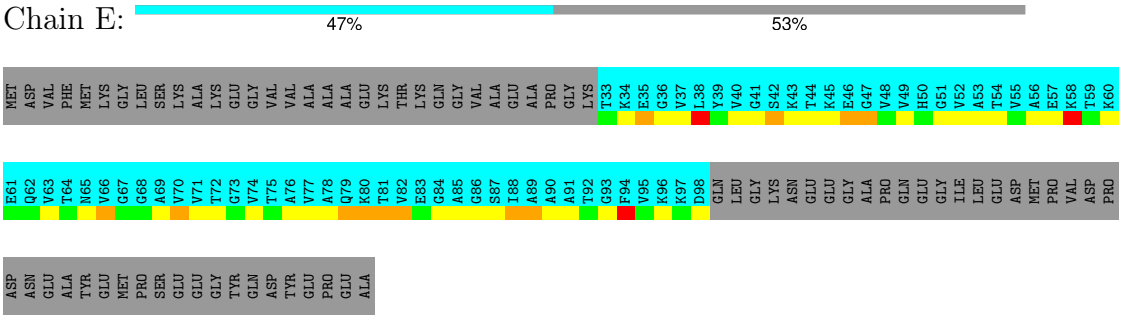
• Molecule 1: Alpha-synuclein

Chain D:



• Molecule 1: Alpha-synuclein

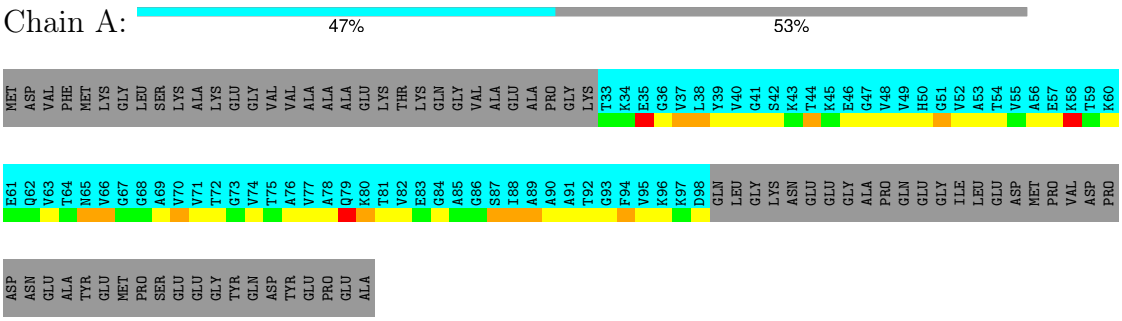
Chain E:



4.2.9 Score per residue for model 9

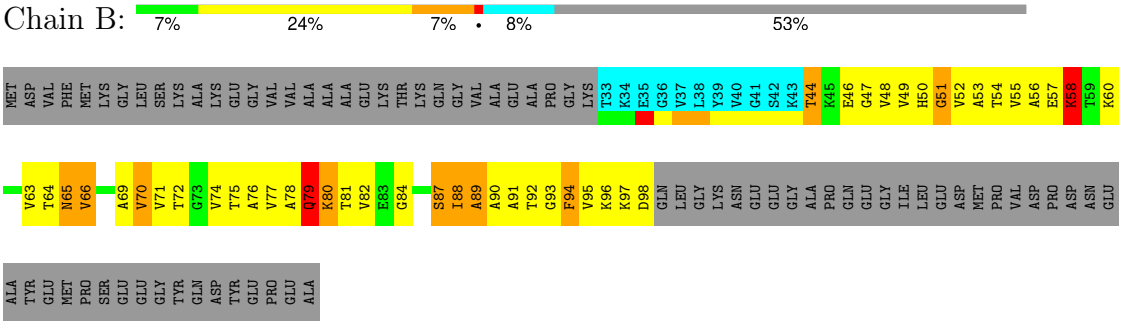
• Molecule 1: Alpha-synuclein

Chain A:



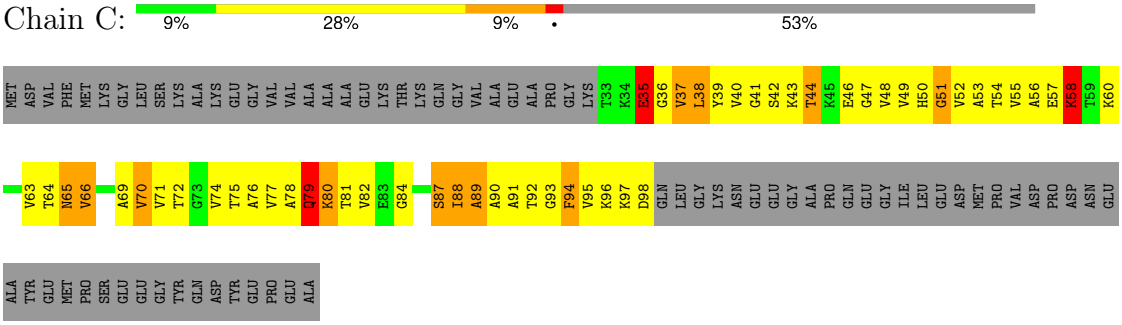
• Molecule 1: Alpha-synuclein

Chain B:



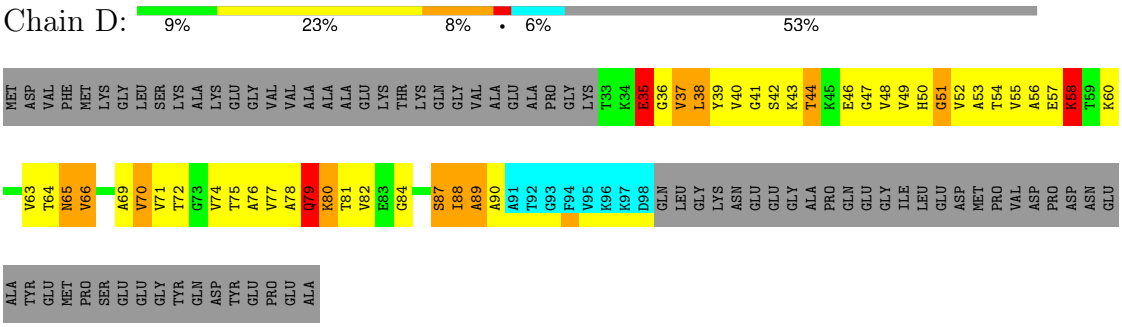
• Molecule 1: Alpha-synuclein

Chain C:



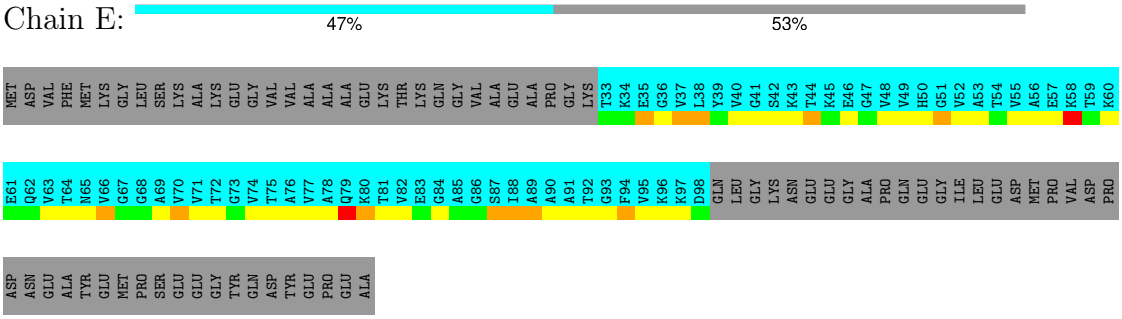
• Molecule 1: Alpha-synuclein

Chain D:



• Molecule 1: Alpha-synuclein

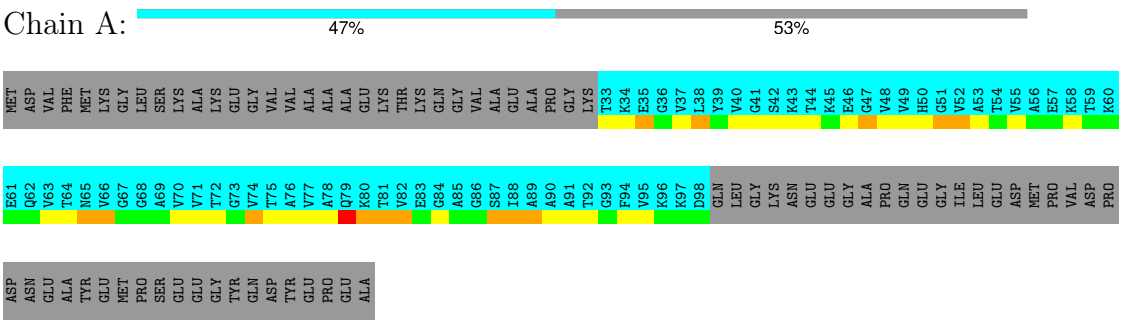
Chain E:



4.2.10 Score per residue for model 10

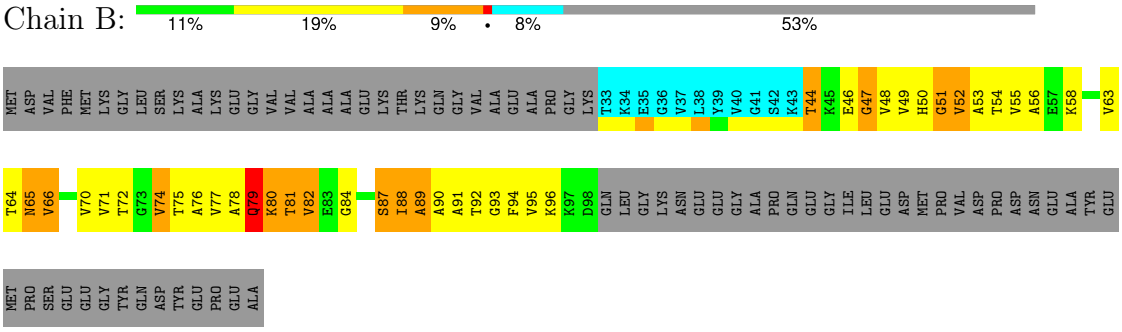
• Molecule 1: Alpha-synuclein

Chain A:



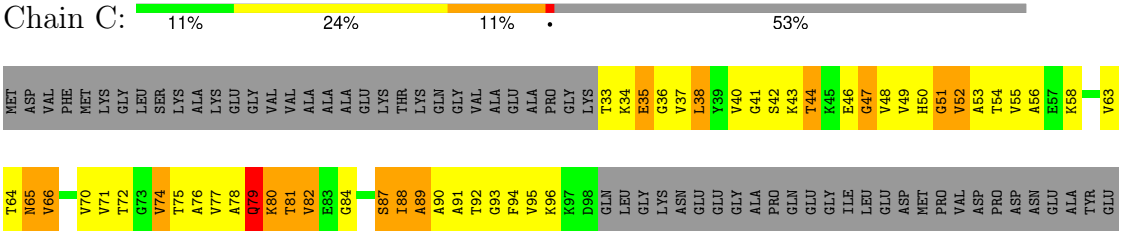
• Molecule 1: Alpha-synuclein

Chain B:



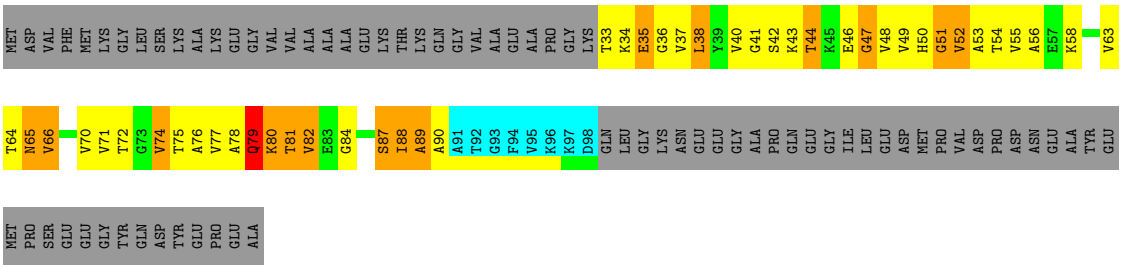
• Molecule 1: Alpha-synuclein

Chain C:



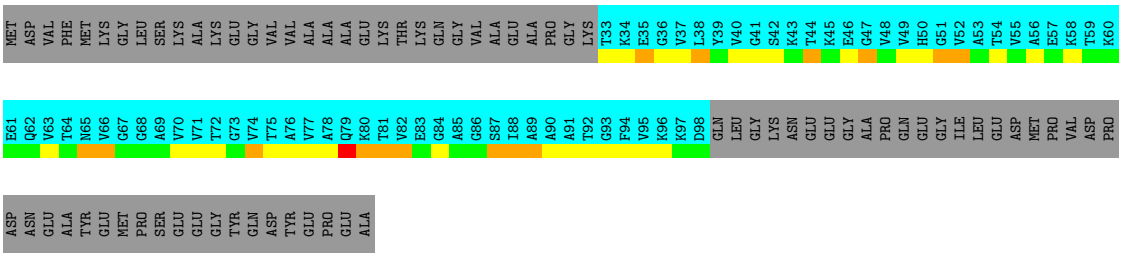
• Molecule 1: Alpha-synuclein

Chain D:



• Molecule 1: Alpha-synuclein

Chain E:



5 Refinement protocol and experimental data overview

The models were refined using the following method: *DGSA-distance geometry simulated annealing.*

Of the 500 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	structure calculation	3.66
X-PLOR NIH	refinement	

The following table shows chemical shift validation statistics as aggregates over all chemical shift files. Detailed validation can be found in section 7 of this report.

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	329
Number of shifts mapped to atoms	329
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	0%

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 (i)

6.1 Standard geometry (i)

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the (average) root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	B	0.97±0.02	0±0/377 (0.0± 0.0%)	1.53±0.07	5±2/510 (1.0± 0.4%)
1	C	0.95±0.02	0±0/460 (0.0± 0.0%)	1.49±0.06	5±2/621 (0.8± 0.3%)
1	D	0.96±0.02	0±0/400 (0.0± 0.0%)	1.48±0.08	4±1/543 (0.8± 0.3%)
All	All	0.96	0/12370 (0.0%)	1.50	142/16740 (0.8%)

There are no bond-length outliers.

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
1	B	89	ALA	N-CA-CB	9.08	120.12	108.96	1	2
1	C	89	ALA	N-CA-CB	9.08	120.12	108.96	1	2
1	D	89	ALA	N-CA-CB	9.05	120.09	108.96	1	2
1	B	74	VAL	N-CA-CB	-7.93	103.33	111.90	10	3
1	C	74	VAL	N-CA-CB	-7.92	103.34	111.90	10	3
1	D	74	VAL	N-CA-CB	-7.88	103.39	111.90	10	3
1	C	88	ILE	N-CA-C	7.47	118.64	107.80	8	8
1	D	88	ILE	N-CA-C	7.47	118.63	107.80	8	8
1	B	88	ILE	N-CA-C	7.45	118.60	107.80	8	8
1	D	74	VAL	N-CA-C	7.03	117.91	107.15	7	3
1	B	74	VAL	N-CA-C	7.02	117.89	107.15	7	3
1	C	74	VAL	N-CA-C	7.01	117.88	107.15	7	3
1	D	58	LYS	N-CA-C	6.88	119.73	108.52	7	5
1	B	58	LYS	N-CA-C	6.84	119.67	108.52	7	5
1	C	58	LYS	N-CA-C	6.82	119.64	108.52	7	5
1	C	38	LEU	N-CA-CB	6.53	121.53	110.49	9	1
1	D	38	LEU	N-CA-CB	6.52	121.51	110.49	9	1
1	B	94	PHE	N-CA-C	6.25	119.06	107.99	8	1
1	C	94	PHE	N-CA-C	6.23	119.01	107.99	8	1
1	B	88	ILE	CB-CA-C	-6.12	102.59	110.98	3	2
1	C	88	ILE	CB-CA-C	-6.12	102.59	110.98	3	2
1	D	88	ILE	CB-CA-C	-6.12	102.59	110.98	3	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	C	94	PHE	N-CA-CB	-5.72	102.69	111.56	7	5
1	B	94	PHE	N-CA-CB	-5.71	102.72	111.56	7	5
1	B	88	ILE	N-CA-CB	-5.69	104.28	111.46	8	1
1	D	88	ILE	N-CA-CB	-5.69	104.29	111.46	8	1
1	C	88	ILE	N-CA-CB	-5.65	104.34	111.46	8	1
1	D	79	GLN	CB-CA-C	-5.57	100.25	111.17	3	6
1	C	79	GLN	CB-CA-C	-5.56	100.27	111.17	3	6
1	B	79	GLN	CB-CA-C	-5.55	100.28	111.17	3	6
1	D	70	VAL	N-CA-C	5.54	115.63	107.15	8	2
1	C	70	VAL	N-CA-C	5.53	115.61	107.15	8	2
1	B	70	VAL	N-CA-C	5.52	115.59	107.15	8	2
1	D	86	GLY	N-CA-C	-5.44	107.50	115.72	8	2
1	C	86	GLY	N-CA-C	-5.42	107.53	115.72	8	2
1	B	86	GLY	N-CA-C	-5.41	107.56	115.72	8	2
1	B	79	GLN	CB-CG-CD	-5.40	103.42	112.60	4	1
1	C	79	GLN	CB-CG-CD	-5.37	103.46	112.60	4	1
1	D	79	GLN	CB-CG-CD	-5.37	103.47	112.60	4	1
1	B	93	GLY	N-CA-C	-5.37	100.47	113.18	9	3
1	C	93	GLY	N-CA-C	-5.33	100.55	113.18	9	3
1	C	79	GLN	N-CA-C	5.30	115.36	107.88	9	1
1	B	79	GLN	N-CA-C	5.29	115.34	107.88	9	1
1	D	79	GLN	N-CA-C	5.27	115.31	107.88	9	1
1	C	55	VAL	N-CA-C	5.26	114.17	106.55	1	1
1	D	55	VAL	N-CA-C	5.26	114.17	106.55	1	1
1	B	55	VAL	N-CA-C	5.23	114.13	106.55	1	1
1	D	46	GLU	CB-CA-C	5.22	118.12	109.72	8	1
1	B	46	GLU	CB-CA-C	5.22	118.12	109.72	8	1
1	C	46	GLU	CB-CA-C	5.19	118.08	109.72	8	1
1	D	74	VAL	CB-CA-C	-5.17	106.32	111.80	10	1
1	B	74	VAL	CB-CA-C	-5.14	106.35	111.80	10	1
1	C	74	VAL	CB-CA-C	-5.14	106.35	111.80	10	1
1	C	97	LYS	N-CA-CB	-5.10	103.12	111.74	4	1
1	B	97	LYS	N-CA-CB	-5.10	103.12	111.74	4	1
1	B	59	THR	N-CA-C	-5.09	107.45	113.97	6	1
1	C	59	THR	N-CA-C	-5.09	107.45	113.97	6	1
1	D	59	THR	N-CA-C	-5.05	107.50	113.97	6	1

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	0	0	0	0±0
1	B	376	393	393	63±7
1	C	458	480	480	122±10
1	D	398	417	417	66±5
1	E	0	0	0	0±0
All	All	12320	12900	12900	1406

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 56.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:49:VAL:HG11	1:C:76:ALA:HB1	1.02	1.30	3	6
1:C:49:VAL:HG11	1:D:76:ALA:HB1	1.01	1.30	3	6
1:B:49:VAL:HG23	1:C:78:ALA:HB2	0.77	1.53	9	8
1:C:49:VAL:HG23	1:D:78:ALA:HB2	0.77	1.54	9	8
1:B:49:VAL:HG11	1:B:76:ALA:HB1	0.73	1.58	10	1
1:C:49:VAL:HG11	1:C:76:ALA:HB1	0.73	1.58	10	1
1:D:49:VAL:HG11	1:D:76:ALA:HB1	0.73	1.58	10	1
1:B:90:ALA:HB1	1:C:90:ALA:O	0.71	1.85	3	6
1:C:90:ALA:HB1	1:D:90:ALA:O	0.71	1.85	3	6
1:B:92:THR:OG1	1:C:75:THR:HG21	0.70	1.85	3	5
1:C:92:THR:OG1	1:D:75:THR:HG21	0.70	1.85	3	5
1:B:77:VAL:HG11	1:B:90:ALA:CB	0.70	2.16	6	3
1:C:77:VAL:HG11	1:C:90:ALA:CB	0.70	2.16	6	3
1:D:77:VAL:HG11	1:D:90:ALA:CB	0.70	2.16	6	3
1:C:90:ALA:N	1:D:89:ALA:HB3	0.69	2.03	4	5
1:B:90:ALA:N	1:C:89:ALA:HB3	0.68	2.04	4	5
1:B:92:THR:O	1:C:71:VAL:HG21	0.68	1.89	7	3
1:C:92:THR:O	1:D:71:VAL:HG21	0.68	1.89	7	3
1:B:76:ALA:HB3	1:C:76:ALA:HA	0.67	1.67	1	6
1:C:76:ALA:HB3	1:D:76:ALA:HA	0.67	1.67	1	6
1:B:49:VAL:HG11	1:C:76:ALA:CB	0.67	2.16	3	3
1:C:49:VAL:HG11	1:D:76:ALA:CB	0.67	2.16	3	3
1:B:77:VAL:HG11	1:B:90:ALA:HB3	0.67	1.64	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:77:VAL:HG11	1:C:90:ALA:HB3	0.67	1.64	10	1
1:D:77:VAL:HG11	1:D:90:ALA:HB3	0.67	1.64	10	1
1:C:89:ALA:HB3	1:D:89:ALA:HA	0.67	1.66	6	4
1:B:89:ALA:HB3	1:C:89:ALA:HA	0.67	1.66	6	4
1:B:75:THR:HG21	1:B:92:THR:OG1	0.66	1.90	10	3
1:C:75:THR:HG21	1:C:92:THR:OG1	0.66	1.90	10	3
1:B:72:THR:HB	1:C:72:THR:OG1	0.65	1.92	8	4
1:C:72:THR:HB	1:D:72:THR:OG1	0.65	1.92	8	4
1:B:72:THR:OG1	1:C:72:THR:HB	0.64	1.92	5	4
1:C:72:THR:OG1	1:D:72:THR:HB	0.64	1.92	5	4
1:B:82:VAL:HG12	1:B:87:SER:OG	0.64	1.92	8	4
1:C:82:VAL:HG12	1:C:87:SER:OG	0.64	1.92	8	4
1:D:82:VAL:HG12	1:D:87:SER:OG	0.64	1.93	6	4
1:C:90:ALA:O	1:D:90:ALA:HB1	0.64	1.92	10	4
1:B:90:ALA:O	1:C:90:ALA:HB1	0.64	1.92	10	4
1:C:33:THR:HG22	1:C:35:GLU:HG3	0.63	1.70	4	1
1:D:33:THR:HG22	1:D:35:GLU:HG3	0.63	1.70	4	1
1:B:80:LYS:O	1:C:80:LYS:HB3	0.62	1.94	6	3
1:C:80:LYS:O	1:D:80:LYS:HB3	0.62	1.94	6	3
1:C:79:GLN:HE22	1:C:89:ALA:HB1	0.62	1.55	6	1
1:D:79:GLN:HE22	1:D:89:ALA:HB1	0.61	1.55	6	1
1:B:88:ILE:HG22	1:B:89:ALA:O	0.61	1.94	5	7
1:C:88:ILE:HG22	1:C:89:ALA:O	0.61	1.94	5	7
1:D:88:ILE:HG22	1:D:89:ALA:O	0.61	1.94	5	7
1:B:79:GLN:HE22	1:B:89:ALA:HB1	0.61	1.55	6	1
1:B:47:GLY:O	1:C:78:ALA:HB1	0.61	1.95	9	1
1:C:47:GLY:O	1:D:78:ALA:HB1	0.60	1.95	9	1
1:B:94:PHE:O	1:C:94:PHE:HA	0.60	1.96	4	4
1:B:44:THR:HB	1:C:44:THR:OG1	0.60	1.96	8	2
1:C:44:THR:HB	1:D:44:THR:OG1	0.60	1.96	8	2
1:B:89:ALA:N	1:C:88:ILE:O	0.60	2.35	7	4
1:B:91:ALA:HB1	1:B:94:PHE:CD1	0.60	2.32	1	1
1:C:91:ALA:HB1	1:C:94:PHE:CD1	0.60	2.32	1	1
1:C:89:ALA:N	1:D:88:ILE:O	0.60	2.35	7	4
1:C:89:ALA:C	1:D:89:ALA:HB3	0.59	2.22	1	2
1:B:89:ALA:C	1:C:89:ALA:HB3	0.59	2.22	1	2
1:B:91:ALA:HB1	1:B:94:PHE:HD1	0.58	1.57	1	3
1:C:91:ALA:HB1	1:C:94:PHE:HD1	0.58	1.57	1	3
1:B:58:LYS:HA	1:C:58:LYS:O	0.57	2.00	6	2
1:C:58:LYS:HA	1:D:58:LYS:O	0.57	2.00	6	2
1:C:74:VAL:HA	1:D:74:VAL:O	0.57	2.00	6	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:72:THR:HG23	1:D:71:VAL:O	0.57	2.00	3	2
1:C:38:LEU:H	1:C:38:LEU:HD23	0.57	1.60	8	2
1:D:38:LEU:HD23	1:D:38:LEU:H	0.57	1.60	8	2
1:B:74:VAL:HA	1:C:74:VAL:O	0.57	2.00	6	4
1:B:72:THR:HG23	1:C:71:VAL:O	0.56	2.00	3	2
1:C:90:ALA:CB	1:D:77:VAL:HG11	0.56	2.31	9	2
1:B:90:ALA:CB	1:C:77:VAL:HG11	0.56	2.31	9	2
1:B:44:THR:CB	1:C:44:THR:OG1	0.56	2.54	8	1
1:B:80:LYS:HB3	1:C:80:LYS:O	0.56	2.00	2	6
1:C:44:THR:CB	1:D:44:THR:OG1	0.56	2.54	8	1
1:C:80:LYS:HB3	1:D:80:LYS:O	0.56	2.00	2	6
1:B:47:GLY:O	1:C:48:VAL:N	0.55	2.39	9	6
1:C:47:GLY:O	1:D:48:VAL:N	0.55	2.39	9	6
1:C:88:ILE:O	1:D:89:ALA:N	0.55	2.39	5	4
1:B:88:ILE:O	1:C:89:ALA:N	0.55	2.40	5	4
1:B:88:ILE:HD13	1:B:94:PHE:CZ	0.55	2.36	3	3
1:C:88:ILE:HD13	1:C:94:PHE:CZ	0.55	2.36	3	3
1:B:48:VAL:HA	1:C:48:VAL:O	0.54	2.03	2	2
1:C:48:VAL:HA	1:D:48:VAL:O	0.54	2.03	2	2
1:B:71:VAL:O	1:C:72:THR:HG23	0.54	2.03	6	2
1:C:71:VAL:O	1:D:72:THR:HG23	0.54	2.03	6	2
1:C:39:TYR:O	1:D:38:LEU:O	0.54	2.26	3	4
1:B:88:ILE:HG21	1:B:91:ALA:HB2	0.54	1.79	1	1
1:C:89:ALA:HB1	1:D:79:GLN:HE22	0.54	1.61	5	2
1:C:88:ILE:HG21	1:C:91:ALA:HB2	0.54	1.79	1	1
1:B:89:ALA:HB1	1:C:79:GLN:HE22	0.54	1.61	5	2
1:B:94:PHE:HZ	1:C:88:ILE:HD12	0.54	1.61	6	2
1:C:94:PHE:HZ	1:D:88:ILE:HD12	0.53	1.61	6	2
1:C:74:VAL:O	1:D:74:VAL:HA	0.53	2.02	3	6
1:B:75:THR:HG22	1:B:77:VAL:HG23	0.53	1.80	10	2
1:D:75:THR:HG22	1:D:77:VAL:HG23	0.53	1.80	10	2
1:B:74:VAL:O	1:C:74:VAL:HA	0.53	2.02	3	6
1:C:75:THR:HG22	1:C:77:VAL:HG23	0.53	1.80	10	2
1:B:71:VAL:HG21	1:B:92:THR:O	0.53	2.04	9	2
1:B:88:ILE:HB	1:C:88:ILE:HG23	0.53	1.79	4	5
1:C:71:VAL:HG21	1:C:92:THR:O	0.53	2.04	9	2
1:C:88:ILE:HB	1:D:88:ILE:HG23	0.53	1.79	4	4
1:B:89:ALA:HB3	1:C:89:ALA:CA	0.53	2.34	6	4
1:C:89:ALA:HB3	1:D:89:ALA:CA	0.53	2.34	6	4
1:B:49:VAL:CG1	1:C:76:ALA:HB1	0.53	2.31	8	1
1:C:49:VAL:CG1	1:D:76:ALA:HB1	0.53	2.31	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:80:LYS:O	1:D:81:THR:N	0.53	2.42	7	1
1:B:80:LYS:O	1:C:81:THR:N	0.52	2.42	7	1
1:C:40:VAL:O	1:D:41:GLY:N	0.52	2.41	7	1
1:B:65:ASN:HD22	1:B:70:VAL:HG11	0.52	1.64	1	1
1:C:65:ASN:HD22	1:C:70:VAL:HG11	0.52	1.64	1	1
1:D:65:ASN:HD22	1:D:70:VAL:HG11	0.52	1.64	1	1
1:C:36:GLY:O	1:D:37:VAL:N	0.52	2.43	4	2
1:B:88:ILE:O	1:B:89:ALA:O	0.52	2.27	9	8
1:C:88:ILE:O	1:C:89:ALA:O	0.52	2.27	9	8
1:D:88:ILE:O	1:D:89:ALA:O	0.52	2.27	9	8
1:B:46:GLU:HB2	1:C:46:GLU:HG3	0.52	1.81	2	1
1:B:88:ILE:HG23	1:C:88:ILE:HB	0.52	1.79	7	4
1:B:94:PHE:CG	1:C:94:PHE:HB3	0.52	2.39	10	2
1:C:46:GLU:HB2	1:D:46:GLU:HG3	0.52	1.81	2	1
1:C:88:ILE:HG23	1:D:88:ILE:HB	0.52	1.80	7	4
1:B:94:PHE:HB3	1:C:94:PHE:CG	0.52	2.39	1	2
1:B:82:VAL:HG21	1:B:89:ALA:HB2	0.52	1.82	3	4
1:C:37:VAL:HB	1:D:37:VAL:O	0.52	2.05	9	1
1:C:88:ILE:O	1:D:88:ILE:HA	0.52	2.05	5	6
1:D:82:VAL:HG21	1:D:89:ALA:HB2	0.52	1.82	3	4
1:B:88:ILE:O	1:C:88:ILE:HA	0.52	2.05	5	6
1:C:82:VAL:HG21	1:C:89:ALA:HB2	0.52	1.82	3	4
1:C:84:GLY:C	1:D:84:GLY:HA3	0.52	2.30	10	4
1:B:84:GLY:C	1:C:84:GLY:HA3	0.51	2.30	10	4
1:B:91:ALA:O	1:C:91:ALA:HB1	0.51	2.05	5	5
1:B:94:PHE:HE2	1:C:88:ILE:HD13	0.51	1.65	5	1
1:C:94:PHE:HE2	1:D:88:ILE:HD13	0.51	1.65	5	1
1:B:44:THR:OG1	1:C:44:THR:HB	0.51	2.06	2	4
1:C:47:GLY:C	1:D:78:ALA:HB1	0.51	2.30	1	4
1:B:47:GLY:C	1:C:78:ALA:HB1	0.51	2.30	1	4
1:C:44:THR:OG1	1:D:44:THR:HB	0.51	2.06	2	4
1:C:43:LYS:O	1:D:44:THR:HG23	0.51	2.06	10	2
1:B:80:LYS:HA	1:C:80:LYS:HB2	0.51	1.82	8	1
1:C:80:LYS:HA	1:D:80:LYS:HB2	0.51	1.82	8	1
1:B:48:VAL:N	1:C:78:ALA:HB1	0.51	2.21	1	3
1:C:48:VAL:N	1:D:78:ALA:HB1	0.51	2.21	1	3
1:C:77:VAL:HB	1:D:77:VAL:HG13	0.50	1.83	6	3
1:C:78:ALA:HA	1:D:78:ALA:HB3	0.50	1.84	6	4
1:C:37:VAL:N	1:D:36:GLY:O	0.50	2.43	10	2
1:B:77:VAL:HB	1:C:77:VAL:HG13	0.50	1.83	6	3
1:B:78:ALA:HA	1:C:78:ALA:HB3	0.50	1.84	6	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:95:VAL:HB	1:C:95:VAL:HA	0.50	1.82	6	3
1:B:51:GLY:O	1:C:52:VAL:N	0.50	2.44	6	4
1:C:51:GLY:O	1:D:52:VAL:N	0.50	2.44	6	4
1:C:65:ASN:ND2	1:C:70:VAL:HG11	0.50	2.21	3	2
1:D:65:ASN:ND2	1:D:70:VAL:HG11	0.50	2.21	3	2
1:B:65:ASN:ND2	1:B:70:VAL:HG11	0.50	2.22	3	2
1:B:91:ALA:HB1	1:C:91:ALA:O	0.50	2.07	8	4
1:C:37:VAL:HG12	1:C:37:VAL:O	0.50	2.07	1	4
1:D:37:VAL:HG12	1:D:37:VAL:O	0.50	2.07	1	4
1:B:96:LYS:N	1:C:95:VAL:O	0.49	2.45	5	5
1:C:76:ALA:HA	1:D:76:ALA:HB3	0.49	1.83	8	2
1:B:53:ALA:HB3	1:C:53:ALA:HA	0.49	1.83	7	2
1:C:53:ALA:HB3	1:D:53:ALA:HA	0.49	1.83	7	2
1:B:76:ALA:HA	1:C:76:ALA:HB3	0.49	1.83	8	2
1:B:74:VAL:HG22	1:C:74:VAL:HB	0.49	1.82	7	2
1:B:80:LYS:CB	1:C:80:LYS:HA	0.49	2.38	5	5
1:C:80:LYS:CB	1:D:80:LYS:HA	0.49	2.38	3	5
1:B:71:VAL:HG11	1:B:92:THR:CG2	0.49	2.37	10	2
1:C:71:VAL:HG11	1:C:92:THR:CG2	0.49	2.37	10	2
1:C:74:VAL:HG22	1:D:74:VAL:HB	0.49	1.82	7	2
1:C:58:LYS:O	1:D:58:LYS:CB	0.49	2.60	5	4
1:B:58:LYS:O	1:C:58:LYS:CB	0.49	2.60	5	4
1:B:95:VAL:HA	1:C:95:VAL:HB	0.49	1.84	1	2
1:C:43:LYS:O	1:D:43:LYS:HA	0.49	2.07	8	2
1:C:77:VAL:N	1:D:76:ALA:O	0.49	2.46	8	2
1:B:77:VAL:N	1:C:76:ALA:O	0.49	2.46	8	2
1:C:80:LYS:HG2	1:D:80:LYS:CB	0.48	2.37	10	2
1:B:58:LYS:CB	1:C:58:LYS:O	0.48	2.60	8	2
1:B:80:LYS:HG2	1:C:80:LYS:CB	0.48	2.37	10	2
1:C:58:LYS:CB	1:D:58:LYS:O	0.48	2.60	8	2
1:B:48:VAL:N	1:C:47:GLY:O	0.48	2.46	7	4
1:C:48:VAL:N	1:D:47:GLY:O	0.48	2.46	7	4
1:C:76:ALA:O	1:D:77:VAL:N	0.48	2.46	4	6
1:B:49:VAL:CG2	1:C:78:ALA:HB2	0.48	2.35	9	2
1:C:49:VAL:CG2	1:D:78:ALA:HB2	0.48	2.35	9	2
1:B:76:ALA:O	1:C:77:VAL:N	0.48	2.46	4	6
1:B:49:VAL:HA	1:C:49:VAL:HB	0.48	1.84	7	4
1:B:59:THR:HB	1:C:59:THR:O	0.48	2.08	6	1
1:B:79:GLN:O	1:C:79:GLN:HA	0.48	2.09	7	4
1:C:49:VAL:HA	1:D:49:VAL:HB	0.48	1.84	7	4
1:C:59:THR:HB	1:D:59:THR:O	0.48	2.08	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:79:GLN:O	1:D:79:GLN:HA	0.48	2.09	7	4
1:C:33:THR:HA	1:D:33:THR:HG23	0.48	1.86	7	1
1:B:78:ALA:HB3	1:C:78:ALA:HA	0.48	1.84	4	5
1:C:42:SER:O	1:D:42:SER:HA	0.48	2.08	3	4
1:B:44:THR:HG23	1:C:43:LYS:O	0.48	2.09	5	2
1:C:44:THR:HG23	1:D:43:LYS:O	0.48	2.09	5	2
1:B:87:SER:O	1:C:87:SER:HA	0.48	2.09	8	1
1:C:78:ALA:HB3	1:D:78:ALA:HA	0.47	1.84	4	5
1:D:61:GLU:HG2	1:D:63:VAL:HG23	0.47	1.86	3	2
1:B:61:GLU:HG2	1:B:63:VAL:HG23	0.47	1.86	3	2
1:C:61:GLU:HG2	1:C:63:VAL:HG23	0.47	1.86	3	2
1:B:65:ASN:CB	1:B:70:VAL:HG21	0.47	2.39	8	1
1:C:65:ASN:CB	1:C:70:VAL:HG21	0.47	2.39	8	1
1:C:87:SER:O	1:D:87:SER:HA	0.47	2.10	8	1
1:D:65:ASN:CB	1:D:70:VAL:HG21	0.47	2.39	8	1
1:B:56:ALA:HA	1:C:56:ALA:HB3	0.47	1.84	7	3
1:B:82:VAL:O	1:C:82:VAL:HA	0.47	2.09	6	3
1:C:38:LEU:HG	1:D:38:LEU:HD22	0.47	1.84	5	3
1:C:56:ALA:HA	1:D:56:ALA:HB3	0.47	1.84	7	3
1:B:44:THR:N	1:C:43:LYS:O	0.47	2.47	3	4
1:C:44:THR:N	1:D:43:LYS:O	0.47	2.47	3	4
1:C:82:VAL:O	1:D:82:VAL:HA	0.47	2.09	6	3
1:B:79:GLN:N	1:C:78:ALA:O	0.47	2.48	7	2
1:C:65:ASN:ND2	1:D:65:ASN:OD1	0.47	2.47	2	2
1:B:95:VAL:O	1:C:96:LYS:N	0.47	2.48	8	3
1:C:79:GLN:N	1:D:78:ALA:O	0.47	2.48	7	2
1:B:96:LYS:O	1:C:97:LYS:N	0.47	2.47	9	5
1:C:37:VAL:O	1:D:38:LEU:O	0.47	2.33	1	4
1:B:65:ASN:ND2	1:C:65:ASN:OD1	0.47	2.47	2	1
1:B:88:ILE:HD12	1:B:94:PHE:CE2	0.47	2.45	5	2
1:C:88:ILE:HD12	1:C:94:PHE:CE2	0.47	2.45	2	2
1:B:52:VAL:HG13	1:C:52:VAL:HB	0.47	1.86	6	2
1:C:52:VAL:HG13	1:D:52:VAL:HB	0.47	1.86	6	2
1:B:46:GLU:O	1:B:47:GLY:O	0.47	2.32	10	7
1:B:71:VAL:HG13	1:C:71:VAL:HB	0.47	1.85	1	5
1:C:38:LEU:HD22	1:D:38:LEU:HG	0.47	1.87	8	3
1:C:46:GLU:O	1:C:47:GLY:O	0.47	2.32	10	7
1:C:71:VAL:HG13	1:D:71:VAL:HB	0.47	1.85	1	5
1:D:46:GLU:O	1:D:47:GLY:O	0.47	2.32	10	7
1:B:45:LYS:O	1:C:46:GLU:N	0.47	2.48	6	1
1:C:37:VAL:HB	1:D:37:VAL:HG13	0.47	1.86	10	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:77:VAL:CG1	1:B:90:ALA:HB3	0.47	2.36	10	1
1:D:77:VAL:CG1	1:D:90:ALA:HB3	0.47	2.36	10	1
1:B:92:THR:O	1:C:93:GLY:N	0.47	2.48	8	3
1:C:45:LYS:O	1:D:46:GLU:N	0.47	2.48	6	1
1:C:77:VAL:CG1	1:C:90:ALA:HB3	0.47	2.36	10	1
1:C:37:VAL:HG13	1:D:37:VAL:HB	0.47	1.87	2	5
1:B:45:LYS:HD3	1:B:48:VAL:HG21	0.47	1.85	4	3
1:B:89:ALA:HA	1:C:89:ALA:HB3	0.47	1.86	9	1
1:C:89:ALA:HA	1:D:89:ALA:HB3	0.47	1.86	9	1
1:B:96:LYS:O	1:C:96:LYS:HA	0.46	2.09	9	2
1:C:45:LYS:HD3	1:C:48:VAL:HG21	0.46	1.86	4	3
1:D:45:LYS:HD3	1:D:48:VAL:HG21	0.46	1.86	4	3
1:B:52:VAL:HB	1:C:52:VAL:HG13	0.46	1.87	4	6
1:C:55:VAL:HA	1:D:55:VAL:O	0.46	2.11	5	2
1:C:70:VAL:O	1:D:71:VAL:N	0.46	2.48	4	4
1:B:64:THR:O	1:C:65:ASN:N	0.46	2.48	6	4
1:C:48:VAL:O	1:D:49:VAL:N	0.46	2.48	7	4
1:C:52:VAL:HB	1:D:52:VAL:HG13	0.46	1.87	4	6
1:B:55:VAL:HA	1:C:55:VAL:O	0.46	2.11	5	2
1:B:70:VAL:O	1:C:71:VAL:N	0.46	2.48	4	4
1:B:48:VAL:O	1:C:49:VAL:N	0.46	2.48	7	4
1:C:64:THR:O	1:D:65:ASN:N	0.46	2.48	6	4
1:B:52:VAL:HA	1:C:52:VAL:HB	0.46	1.87	8	2
1:C:63:VAL:HA	1:D:63:VAL:O	0.46	2.10	10	3
1:B:94:PHE:CD1	1:B:94:PHE:C	0.46	2.93	8	1
1:C:94:PHE:CD1	1:C:94:PHE:C	0.46	2.93	8	1
1:B:63:VAL:HA	1:C:63:VAL:O	0.46	2.10	10	3
1:C:52:VAL:HA	1:D:52:VAL:HB	0.46	1.87	8	2
1:B:57:GLU:HA	1:C:57:GLU:O	0.46	2.11	9	4
1:C:40:VAL:HA	1:D:40:VAL:HB	0.46	1.87	9	4
1:C:57:GLU:HA	1:D:57:GLU:O	0.46	2.11	9	4
1:B:46:GLU:HA	1:C:46:GLU:O	0.46	2.11	7	1
1:C:46:GLU:HA	1:D:46:GLU:O	0.46	2.11	7	1
1:B:95:VAL:HG23	1:C:69:ALA:HB2	0.46	1.88	8	1
1:B:76:ALA:N	1:C:75:THR:O	0.46	2.49	1	1
1:C:76:ALA:N	1:D:75:THR:O	0.46	2.49	1	1
1:C:34:LYS:O	1:C:35:GLU:O	0.46	2.34	2	1
1:D:34:LYS:O	1:D:35:GLU:O	0.46	2.34	2	1
1:C:95:VAL:HG23	1:D:69:ALA:HB2	0.46	1.88	8	1
1:B:88:ILE:CG2	1:B:91:ALA:HB2	0.46	2.40	1	1
1:C:88:ILE:CG2	1:C:91:ALA:HB2	0.46	2.40	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:38:LEU:CB	1:D:38:LEU:HA	0.46	2.41	4	1
1:B:80:LYS:C	1:C:80:LYS:HB3	0.46	2.35	7	1
1:C:80:LYS:C	1:D:80:LYS:HB3	0.46	2.35	7	1
1:B:94:PHE:HD1	1:C:94:PHE:O	0.46	1.93	8	1
1:B:77:VAL:HG13	1:C:77:VAL:HB	0.45	1.87	9	5
1:B:82:VAL:N	1:C:81:THR:O	0.45	2.49	6	3
1:C:38:LEU:O	1:D:37:VAL:O	0.45	2.34	6	4
1:B:96:LYS:HA	1:C:96:LYS:HB3	0.45	1.88	8	1
1:C:77:VAL:HG13	1:D:77:VAL:HB	0.45	1.87	9	5
1:B:55:VAL:O	1:C:56:ALA:N	0.45	2.50	8	4
1:B:89:ALA:CB	1:C:89:ALA:HA	0.45	2.40	6	3
1:B:90:ALA:O	1:C:90:ALA:CB	0.45	2.63	7	4
1:C:55:VAL:O	1:D:56:ALA:N	0.45	2.50	8	4
1:C:82:VAL:N	1:D:81:THR:O	0.45	2.49	6	3
1:C:89:ALA:CB	1:D:89:ALA:HA	0.45	2.40	6	3
1:C:90:ALA:O	1:D:90:ALA:CB	0.45	2.63	7	4
1:B:94:PHE:HA	1:C:94:PHE:O	0.45	2.11	8	1
1:C:70:VAL:HG22	1:D:70:VAL:HB	0.45	1.88	8	2
1:C:49:VAL:HB	1:D:49:VAL:HA	0.45	1.87	2	5
1:B:94:PHE:CD2	1:C:94:PHE:CE1	0.45	3.05	2	3
1:B:88:ILE:HD12	1:B:94:PHE:CZ	0.45	2.46	5	1
1:B:70:VAL:HG22	1:C:70:VAL:HB	0.45	1.88	8	2
1:B:77:VAL:HA	1:C:77:VAL:HB	0.45	1.88	4	4
1:C:88:ILE:HD12	1:C:94:PHE:CZ	0.45	2.46	5	1
1:B:46:GLU:OE2	1:C:46:GLU:OE1	0.45	2.35	8	1
1:B:94:PHE:CD1	1:C:94:PHE:CE2	0.45	3.05	8	1
1:B:49:VAL:HB	1:C:49:VAL:HA	0.45	1.87	2	4
1:B:69:ALA:HA	1:C:69:ALA:O	0.45	2.11	9	4
1:C:53:ALA:HA	1:D:53:ALA:O	0.45	2.12	1	6
1:C:77:VAL:HA	1:D:77:VAL:HB	0.45	1.88	4	5
1:C:37:VAL:O	1:C:37:VAL:HG12	0.45	2.11	2	3
1:D:37:VAL:O	1:D:37:VAL:HG12	0.45	2.11	2	3
1:C:46:GLU:OE2	1:D:46:GLU:OE1	0.45	2.35	8	1
1:B:53:ALA:HA	1:C:53:ALA:O	0.45	2.12	1	6
1:B:81:THR:O	1:C:81:THR:HA	0.45	2.11	3	6
1:C:69:ALA:HA	1:D:69:ALA:O	0.45	2.11	9	4
1:C:79:GLN:HA	1:D:79:GLN:O	0.45	2.12	1	2
1:C:81:THR:O	1:D:81:THR:HA	0.45	2.11	3	6
1:C:83:GLU:O	1:D:83:GLU:HA	0.45	2.12	5	3
1:B:71:VAL:HB	1:C:71:VAL:HG13	0.45	1.89	8	2
1:B:80:LYS:O	1:C:80:LYS:N	0.45	2.47	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:80:LYS:O	1:D:80:LYS:N	0.45	2.47	7	1
1:B:70:VAL:HB	1:C:70:VAL:HG13	0.45	1.87	9	4
1:B:79:GLN:HA	1:C:79:GLN:O	0.45	2.12	1	2
1:B:83:GLU:O	1:C:83:GLU:HA	0.45	2.12	5	3
1:B:60:LYS:O	1:C:60:LYS:HA	0.45	2.12	8	3
1:C:60:LYS:O	1:D:60:LYS:HA	0.45	2.12	8	3
1:B:77:VAL:HB	1:C:77:VAL:HG22	0.45	1.88	10	1
1:C:77:VAL:HB	1:D:77:VAL:HG22	0.45	1.88	10	1
1:B:46:GLU:O	1:B:48:VAL:HG23	0.45	2.12	6	1
1:C:46:GLU:O	1:C:48:VAL:HG23	0.45	2.12	6	1
1:D:46:GLU:O	1:D:48:VAL:HG23	0.45	2.12	6	1
1:B:46:GLU:CD	1:C:46:GLU:HG3	0.45	2.37	4	3
1:C:46:GLU:CD	1:D:46:GLU:HG3	0.45	2.37	4	3
1:C:70:VAL:HB	1:D:70:VAL:HG13	0.45	1.88	9	4
1:C:81:THR:N	1:D:80:LYS:O	0.45	2.50	2	5
1:C:71:VAL:HB	1:D:71:VAL:HG13	0.45	1.89	8	2
1:B:78:ALA:O	1:C:78:ALA:HA	0.44	2.12	9	3
1:B:81:THR:N	1:C:80:LYS:O	0.44	2.50	2	5
1:C:34:LYS:O	1:C:35:GLU:C	0.44	2.60	8	2
1:D:34:LYS:O	1:D:35:GLU:C	0.44	2.60	8	2
1:B:89:ALA:CA	1:C:89:ALA:HB3	0.44	2.42	9	1
1:B:92:THR:CG2	1:C:71:VAL:HG11	0.44	2.42	3	4
1:C:78:ALA:O	1:D:78:ALA:HA	0.44	2.12	9	3
1:B:95:VAL:HG12	1:B:97:LYS:HG3	0.44	1.90	2	1
1:C:57:GLU:O	1:D:57:GLU:HA	0.44	2.12	7	2
1:B:49:VAL:HG13	1:C:49:VAL:HB	0.44	1.89	8	1
1:C:35:GLU:CA	1:D:35:GLU:O	0.44	2.65	8	2
1:C:89:ALA:CA	1:D:89:ALA:HB3	0.44	2.42	9	1
1:B:50:HIS:O	1:B:51:GLY:O	0.44	2.35	6	7
1:C:37:VAL:O	1:C:38:LEU:C	0.44	2.60	6	9
1:C:50:HIS:O	1:C:51:GLY:O	0.44	2.35	6	7
1:C:92:THR:CG2	1:D:71:VAL:HG11	0.44	2.43	3	4
1:D:37:VAL:O	1:D:38:LEU:C	0.44	2.60	6	9
1:D:50:HIS:O	1:D:51:GLY:O	0.44	2.35	6	7
1:C:95:VAL:HG12	1:C:97:LYS:HG3	0.44	1.90	2	1
1:B:57:GLU:O	1:C:57:GLU:HA	0.44	2.12	7	2
1:C:46:GLU:HG3	1:D:46:GLU:CD	0.44	2.37	10	1
1:B:46:GLU:HB2	1:C:46:GLU:HA	0.44	1.88	1	1
1:C:46:GLU:HB2	1:D:46:GLU:HA	0.44	1.88	1	1
1:C:61:GLU:O	1:D:62:GLN:N	0.44	2.50	1	4
1:C:39:TYR:HB2	1:D:39:TYR:CG	0.44	2.48	3	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:33:THR:HG22	1:C:35:GLU:CG	0.44	2.40	4	1
1:D:33:THR:HG22	1:D:35:GLU:CG	0.44	2.40	4	1
1:C:75:THR:HG22	1:C:77:VAL:CG2	0.44	2.43	5	1
1:C:49:VAL:HG13	1:D:49:VAL:HB	0.44	1.89	8	1
1:B:46:GLU:HG3	1:C:46:GLU:CD	0.44	2.38	10	1
1:B:61:GLU:O	1:C:62:GLN:N	0.44	2.50	1	4
1:B:65:ASN:N	1:C:64:THR:O	0.44	2.51	1	3
1:C:65:ASN:N	1:D:64:THR:O	0.44	2.51	1	3
1:D:75:THR:HG22	1:D:77:VAL:CG2	0.44	2.43	5	1
1:B:80:LYS:HA	1:C:80:LYS:CB	0.44	2.43	10	2
1:C:80:LYS:HA	1:D:80:LYS:CB	0.44	2.43	10	2
1:B:71:VAL:HB	1:C:71:VAL:HG22	0.44	1.88	7	1
1:C:71:VAL:HB	1:D:71:VAL:HG22	0.44	1.88	7	1
1:C:52:VAL:N	1:D:51:GLY:O	0.44	2.50	4	6
1:B:56:ALA:HB3	1:C:56:ALA:HA	0.44	1.89	9	3
1:C:56:ALA:HB3	1:D:56:ALA:HA	0.44	1.89	9	3
1:C:88:ILE:O	1:D:88:ILE:CA	0.44	2.65	5	2
1:B:75:THR:HG22	1:B:77:VAL:CG2	0.44	2.43	5	1
1:B:90:ALA:C	1:C:90:ALA:HA	0.44	2.38	6	3
1:B:96:LYS:HA	1:C:96:LYS:O	0.44	2.12	6	1
1:C:90:ALA:C	1:D:90:ALA:HA	0.44	2.38	6	3
1:B:79:GLN:HG3	1:C:78:ALA:O	0.44	2.11	10	1
1:C:79:GLN:HG3	1:D:78:ALA:O	0.44	2.11	10	1
1:B:52:VAL:N	1:C:51:GLY:O	0.44	2.50	4	6
1:C:54:THR:O	1:D:55:VAL:N	0.44	2.51	2	6
1:D:40:VAL:O	1:D:41:GLY:C	0.44	2.60	6	9
1:B:54:THR:O	1:C:55:VAL:N	0.44	2.51	2	6
1:C:40:VAL:O	1:C:41:GLY:C	0.44	2.60	6	9
1:B:82:VAL:HG13	1:C:82:VAL:HB	0.44	1.90	2	2
1:B:88:ILE:O	1:C:88:ILE:CA	0.44	2.65	5	2
1:B:70:VAL:HG13	1:C:70:VAL:HB	0.44	1.90	6	3
1:B:66:VAL:HG13	1:C:66:VAL:HB	0.43	1.90	5	6
1:C:66:VAL:HG13	1:D:66:VAL:HB	0.43	1.90	5	6
1:C:82:VAL:HG13	1:D:82:VAL:HB	0.43	1.90	2	3
1:C:70:VAL:HG13	1:D:70:VAL:HB	0.43	1.90	6	3
1:B:79:GLN:HE22	1:B:82:VAL:HG21	0.43	1.74	4	1
1:C:79:GLN:HE22	1:C:82:VAL:HG21	0.43	1.74	4	1
1:D:79:GLN:HE22	1:D:82:VAL:HG21	0.43	1.74	4	1
1:B:97:LYS:N	1:C:96:LYS:O	0.43	2.50	7	2
1:B:91:ALA:HB3	1:B:94:PHE:CD2	0.43	2.47	8	1
1:C:38:LEU:HB2	1:D:38:LEU:HA	0.43	1.88	9	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:53:ALA:O	1:C:54:THR:N	0.43	2.52	6	4
1:C:53:ALA:O	1:D:54:THR:N	0.43	2.52	6	4
1:C:91:ALA:HB3	1:C:94:PHE:CD2	0.43	2.47	8	1
1:C:62:GLN:HA	1:D:62:GLN:O	0.43	2.13	5	1
1:C:38:LEU:N	1:D:37:VAL:O	0.43	2.51	9	1
1:B:62:GLN:HA	1:C:62:GLN:O	0.43	2.13	5	1
1:C:35:GLU:O	1:D:37:VAL:N	0.43	2.52	9	1
1:B:63:VAL:HG22	1:C:63:VAL:HB	0.43	1.90	6	2
1:B:65:ASN:HA	1:C:65:ASN:O	0.43	2.14	8	3
1:D:78:ALA:O	1:D:79:GLN:HG2	0.43	2.14	8	2
1:C:40:VAL:HB	1:D:40:VAL:HA	0.43	1.91	6	2
1:C:63:VAL:HG22	1:D:63:VAL:HB	0.43	1.90	6	2
1:C:65:ASN:HA	1:D:65:ASN:O	0.43	2.14	8	3
1:B:78:ALA:O	1:B:79:GLN:HG2	0.43	2.14	8	1
1:C:78:ALA:O	1:C:79:GLN:HG2	0.43	2.14	8	1
1:C:39:TYR:O	1:D:39:TYR:HA	0.43	2.14	3	2
1:C:43:LYS:O	1:D:44:THR:N	0.43	2.52	6	1
1:B:83:GLU:N	1:C:82:VAL:O	0.43	2.52	2	1
1:C:35:GLU:O	1:D:35:GLU:CA	0.42	2.67	2	1
1:C:83:GLU:N	1:D:82:VAL:O	0.42	2.53	2	1
1:C:38:LEU:HG	1:D:38:LEU:HD13	0.42	1.91	6	2
1:B:94:PHE:CE1	1:C:94:PHE:CD2	0.42	3.07	7	1
1:B:98:ASP:N	1:C:97:LYS:O	0.42	2.53	5	4
1:B:95:VAL:HG13	1:C:95:VAL:HB	0.42	1.90	2	3
1:B:93:GLY:N	1:C:92:THR:O	0.42	2.52	5	2
1:C:38:LEU:CB	1:D:38:LEU:HG	0.42	2.44	4	1
1:B:87:SER:O	1:C:87:SER:CA	0.42	2.67	8	2
1:B:97:LYS:O	1:C:98:ASP:N	0.42	2.53	8	2
1:B:71:VAL:O	1:C:71:VAL:HA	0.42	2.13	10	1
1:C:71:VAL:O	1:D:71:VAL:HA	0.42	2.13	10	1
1:C:87:SER:O	1:D:87:SER:CA	0.42	2.67	8	2
1:D:77:VAL:HG11	1:D:90:ALA:HB2	0.42	1.90	7	2
1:B:50:HIS:HA	1:C:50:HIS:O	0.42	2.15	1	4
1:C:52:VAL:O	1:D:53:ALA:N	0.42	2.53	1	6
1:B:82:VAL:HG22	1:C:82:VAL:HB	0.42	1.90	4	1
1:B:86:GLY:N	1:C:85:ALA:O	0.42	2.53	6	2
1:B:71:VAL:HG22	1:C:71:VAL:HB	0.42	1.91	9	1
1:C:38:LEU:HD13	1:D:38:LEU:HG	0.42	1.89	9	1
1:C:71:VAL:HG22	1:D:71:VAL:HB	0.42	1.91	9	1
1:D:79:GLN:OE1	1:D:89:ALA:HB1	0.42	2.14	10	1
1:B:52:VAL:O	1:C:53:ALA:N	0.42	2.53	1	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:50:HIS:HA	1:D:50:HIS:O	0.42	2.15	1	4
1:B:60:LYS:HA	1:C:60:LYS:O	0.42	2.15	3	3
1:C:60:LYS:HA	1:D:60:LYS:O	0.42	2.15	3	3
1:C:35:GLU:OE1	1:D:38:LEU:HD11	0.42	2.14	4	1
1:C:82:VAL:HG22	1:D:82:VAL:HB	0.42	1.90	4	1
1:C:42:SER:HA	1:D:42:SER:O	0.42	2.15	8	3
1:C:86:GLY:N	1:D:85:ALA:O	0.42	2.53	6	2
1:B:77:VAL:HG11	1:B:90:ALA:HB2	0.42	1.90	7	2
1:C:77:VAL:HG11	1:C:90:ALA:HB2	0.42	1.90	7	2
1:B:79:GLN:OE1	1:B:89:ALA:HB1	0.42	2.15	10	1
1:C:79:GLN:OE1	1:C:89:ALA:HB1	0.42	2.15	10	1
1:C:63:VAL:HB	1:D:63:VAL:HG22	0.42	1.91	2	6
1:B:63:VAL:HB	1:C:63:VAL:HG22	0.42	1.91	2	6
1:D:61:GLU:CG	1:D:63:VAL:HG23	0.42	2.43	6	1
1:B:93:GLY:O	1:C:93:GLY:HA2	0.42	2.15	8	1
1:B:49:VAL:HB	1:C:49:VAL:HG13	0.42	1.89	4	3
1:C:49:VAL:HB	1:D:49:VAL:HG13	0.42	1.89	3	3
1:B:61:GLU:CG	1:B:63:VAL:HG23	0.42	2.43	6	1
1:B:75:THR:O	1:C:76:ALA:N	0.42	2.53	6	2
1:C:61:GLU:CG	1:C:63:VAL:HG23	0.42	2.43	6	1
1:C:43:LYS:N	1:D:42:SER:O	0.42	2.53	7	1
1:C:40:VAL:HB	1:D:40:VAL:HG13	0.42	1.92	8	3
1:C:75:THR:O	1:D:76:ALA:N	0.42	2.53	6	2
1:B:58:LYS:O	1:C:58:LYS:HA	0.41	2.14	2	1
1:C:42:SER:O	1:D:43:LYS:N	0.41	2.54	2	2
1:C:58:LYS:O	1:D:58:LYS:HA	0.41	2.14	2	1
1:B:90:ALA:CB	1:C:90:ALA:O	0.41	2.66	9	2
1:C:90:ALA:CB	1:D:90:ALA:O	0.41	2.66	9	2
1:B:95:VAL:HG22	1:C:95:VAL:HB	0.41	1.91	4	1
1:B:71:VAL:HA	1:C:71:VAL:O	0.41	2.14	9	1
1:B:66:VAL:HB	1:C:66:VAL:HG13	0.41	1.91	8	4
1:C:71:VAL:HA	1:D:71:VAL:O	0.41	2.14	9	1
1:B:75:THR:O	1:C:75:THR:HA	0.41	2.15	10	1
1:C:75:THR:O	1:D:75:THR:HA	0.41	2.15	10	1
1:B:48:VAL:HG13	1:C:48:VAL:HB	0.41	1.92	2	1
1:C:48:VAL:HG13	1:D:48:VAL:HB	0.41	1.92	2	1
1:B:65:ASN:O	1:C:65:ASN:HA	0.41	2.15	3	1
1:C:65:ASN:O	1:D:65:ASN:HA	0.41	2.15	3	1
1:D:58:LYS:HD3	1:D:61:GLU:HB2	0.41	1.93	7	1
1:B:71:VAL:N	1:C:70:VAL:O	0.41	2.54	8	1
1:B:88:ILE:CD1	1:B:94:PHE:CZ	0.41	3.04	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:88:ILE:CD1	1:C:94:PHE:CZ	0.41	3.04	8	1
1:B:90:ALA:HB3	1:C:77:VAL:HG11	0.41	1.91	9	1
1:C:90:ALA:HB3	1:D:77:VAL:HG11	0.41	1.91	9	1
1:B:88:ILE:HD13	1:B:94:PHE:CE1	0.41	2.50	1	1
1:C:88:ILE:HD13	1:C:94:PHE:CE1	0.41	2.50	1	1
1:C:66:VAL:HB	1:D:66:VAL:HG13	0.41	1.91	8	4
1:C:58:LYS:HD3	1:C:61:GLU:HB2	0.41	1.93	7	1
1:B:45:LYS:HB2	1:C:45:LYS:HA	0.41	1.91	8	1
1:C:45:LYS:HB2	1:D:45:LYS:HA	0.41	1.91	8	1
1:C:71:VAL:N	1:D:70:VAL:O	0.41	2.54	8	1
1:B:74:VAL:O	1:C:75:THR:N	0.41	2.53	4	2
1:C:74:VAL:O	1:D:75:THR:N	0.41	2.53	4	2
1:B:55:VAL:HG13	1:C:55:VAL:HB	0.41	1.90	3	2
1:C:46:GLU:N	1:D:45:LYS:O	0.41	2.53	3	1
1:C:55:VAL:HG13	1:D:55:VAL:HB	0.41	1.91	5	2
1:C:74:VAL:HB	1:D:74:VAL:HG22	0.41	1.91	5	1
1:B:58:LYS:HD3	1:B:61:GLU:HB2	0.41	1.93	7	1
1:B:76:ALA:HA	1:C:76:ALA:O	0.41	2.15	7	1
1:C:76:ALA:HA	1:D:76:ALA:O	0.41	2.15	7	1
1:B:55:VAL:N	1:C:54:THR:O	0.41	2.54	10	1
1:C:55:VAL:N	1:D:54:THR:O	0.41	2.54	10	1
1:B:84:GLY:HA3	1:C:84:GLY:C	0.41	2.41	9	2
1:C:33:THR:HG23	1:D:33:THR:HA	0.41	1.92	2	1
1:B:46:GLU:N	1:C:45:LYS:O	0.41	2.53	3	1
1:B:74:VAL:HB	1:C:74:VAL:HG22	0.41	1.91	5	1
1:B:46:GLU:HA	1:C:46:GLU:HB3	0.41	1.92	8	1
1:B:81:THR:HA	1:C:81:THR:O	0.41	2.15	10	1
1:C:81:THR:HA	1:D:81:THR:O	0.41	2.15	10	1
1:C:90:ALA:H	1:D:89:ALA:HB3	0.41	1.75	3	1
1:B:58:LYS:NZ	1:B:61:GLU:CD	0.40	2.79	1	1
1:C:58:LYS:NZ	1:C:61:GLU:CD	0.40	2.79	1	1
1:C:84:GLY:HA3	1:D:84:GLY:C	0.40	2.41	9	2
1:D:58:LYS:NZ	1:D:61:GLU:CD	0.40	2.79	1	1
1:C:38:LEU:HD12	1:C:38:LEU:H	0.40	1.75	2	1
1:C:63:VAL:O	1:D:64:THR:N	0.40	2.54	2	3
1:D:38:LEU:HD12	1:D:38:LEU:H	0.40	1.75	2	1
1:C:61:GLU:O	1:D:61:GLU:HA	0.40	2.15	4	1
1:C:46:GLU:HA	1:D:46:GLU:HB3	0.40	1.92	8	1
1:C:39:TYR:O	1:D:40:VAL:N	0.40	2.53	9	1
1:B:82:VAL:HB	1:C:82:VAL:HG13	0.40	1.91	10	1
1:C:82:VAL:HB	1:D:82:VAL:HG13	0.40	1.91	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:63:VAL:O	1:C:64:THR:N	0.40	2.54	2	3
1:B:90:ALA:H	1:C:89:ALA:HB3	0.40	1.75	3	1
1:B:61:GLU:O	1:C:61:GLU:HA	0.40	2.15	4	1
1:C:94:PHE:CD1	1:C:95:VAL:N	0.40	2.89	4	1
1:B:66:VAL:O	1:B:66:VAL:HG12	0.40	2.16	6	1
1:B:75:THR:O	1:C:76:ALA:O	0.40	2.38	6	1
1:C:66:VAL:O	1:C:66:VAL:HG12	0.40	2.16	6	1
1:C:35:GLU:CB	1:D:35:GLU:HA	0.40	2.46	7	1
1:B:94:PHE:CD1	1:B:95:VAL:N	0.40	2.89	4	1
1:C:40:VAL:HG13	1:D:40:VAL:HB	0.40	1.92	5	1
1:C:75:THR:O	1:D:76:ALA:O	0.40	2.38	6	1
1:D:66:VAL:O	1:D:66:VAL:HG12	0.40	2.16	6	1
1:B:88:ILE:O	1:C:88:ILE:HG23	0.40	2.16	9	1
1:C:88:ILE:HG23	1:D:88:ILE:O	0.40	2.15	10	1
1:C:82:VAL:HA	1:D:82:VAL:HB	0.40	1.93	2	1
1:C:87:SER:CA	1:D:87:SER:O	0.40	2.69	5	1
1:B:55:VAL:HB	1:C:55:VAL:HA	0.40	1.93	6	1
1:C:88:ILE:O	1:D:88:ILE:HG23	0.40	2.16	9	1
1:B:88:ILE:HG23	1:C:88:ILE:O	0.40	2.15	10	1
1:B:87:SER:CA	1:C:87:SER:O	0.40	2.69	5	2
1:C:65:ASN:ND2	1:C:66:VAL:N	0.40	2.69	5	1
1:C:80:LYS:CB	1:D:80:LYS:HG2	0.40	2.47	5	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	0	-	-	-	-
1	B	54/140 (39%)	41±2 (75±3%)	8±2 (15±3%)	5±1 (9±1%)	1 10
1	C	64/140 (46%)	46±2 (71±2%)	10±2 (16±3%)	8±2 (12±3%)	1 6
1	D	57/140 (41%)	40±1 (70±3%)	9±2 (16±3%)	8±2 (14±3%)	0 5
1	E	0	-	-	-	-
All	All	1750/7000 (25%)	1263 (72%)	276 (16%)	211 (12%)	1 7

All 33 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	B	51	GLY	10
1	B	66	VAL	10
1	B	82	VAL	10
1	C	51	GLY	10
1	C	66	VAL	10
1	C	82	VAL	10
1	D	51	GLY	10
1	D	66	VAL	10
1	D	82	VAL	10
1	C	38	LEU	9
1	D	38	LEU	9
1	B	47	GLY	8
1	C	35	GLU	8
1	C	47	GLY	8
1	D	35	GLU	8
1	D	47	GLY	8
1	B	89	ALA	8
1	C	89	ALA	8
1	D	89	ALA	8
1	C	37	VAL	6
1	D	37	VAL	6
1	B	70	VAL	4
1	C	70	VAL	4
1	D	70	VAL	4
1	C	36	GLY	4
1	D	36	GLY	4
1	C	34	LYS	1
1	D	34	LYS	1
1	C	40	VAL	1
1	D	40	VAL	1
1	B	52	VAL	1
1	C	52	VAL	1
1	D	52	VAL	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	0	-	-	-
1	B	38/104 (37%)	32±1 (84±4%)	6±1 (16±4%)	4 40
1	C	47/104 (45%)	40±2 (85±4%)	7±2 (15±4%)	5 42
1	D	41/104 (39%)	34±2 (84±4%)	7±2 (16±4%)	4 40
1	E	0	-	-	-
All	All	1260/5200 (24%)	1062 (84%)	198 (16%)	4 41

All 48 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	B	44	THR	9
1	C	44	THR	9
1	D	44	THR	9
1	B	58	LYS	8
1	B	80	LYS	8
1	C	58	LYS	8
1	C	80	LYS	8
1	D	58	LYS	8
1	D	80	LYS	8
1	B	87	SER	7
1	C	87	SER	7
1	D	87	SER	7
1	B	65	ASN	5
1	C	65	ASN	5
1	D	65	ASN	5
1	B	81	THR	5
1	C	81	THR	5
1	D	81	THR	5
1	B	72	THR	4
1	C	72	THR	4
1	D	72	THR	4
1	B	46	GLU	3
1	B	79	GLN	3
1	B	98	ASP	3
1	C	46	GLU	3
1	C	79	GLN	3
1	C	98	ASP	3
1	D	46	GLU	3
1	D	79	GLN	3
1	C	38	LEU	3
1	D	38	LEU	3

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Mol	Chain	Res	Type	Models (Total)
1	C	35	GLU	3
1	C	42	SER	3
1	D	35	GLU	3
1	D	42	SER	3
1	B	45	LYS	2
1	C	33	THR	2
1	C	45	LYS	2
1	D	33	THR	2
1	D	45	LYS	2
1	B	61	GLU	1
1	C	61	GLU	1
1	D	61	GLU	1
1	B	57	GLU	1
1	C	57	GLU	1
1	D	57	GLU	1
1	B	94	PHE	1
1	C	94	PHE	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues (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 0% for the well-defined parts and 8% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	329
Number of shifts mapped to atoms	329
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	64	-0.00 ± 0.14	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	52	-0.74 ± 0.12	Should be checked
$^{13}C'$	60	0.62 ± 0.12	Should be applied
^{15}N	63	-2.92 ± 0.47	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 0%, i.e. 0 atoms were assigned a chemical shift out of a possible 2173. 0 out of 41 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	0/922 (0%)	0/385 (0%)	0/358 (0%)	0/179 (0%)
Sidechain	0/1192 (0%)	0/788 (0%)	0/375 (0%)	0/29 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	0/59 (0%)	0/30 (0%)	0/26 (0%)	0/3 (0%)
Overall	0/2173 (0%)	0/1203 (0%)	0/759 (0%)	0/211 (0%)

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 8%, i.e. 327 atoms were assigned a chemical shift out of a possible 4035. 13 out of 75 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	187/1700 (11%)	0/710 (0%)	124/660 (19%)	63/330 (19%)
Sidechain	129/2205 (6%)	0/1455 (0%)	125/695 (18%)	4/55 (7%)
Aromatic	11/130 (8%)	0/65 (0%)	11/60 (18%)	0/5 (0%)
Overall	327/4035 (8%)	0/2230 (0%)	260/1415 (18%)	67/390 (17%)

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.

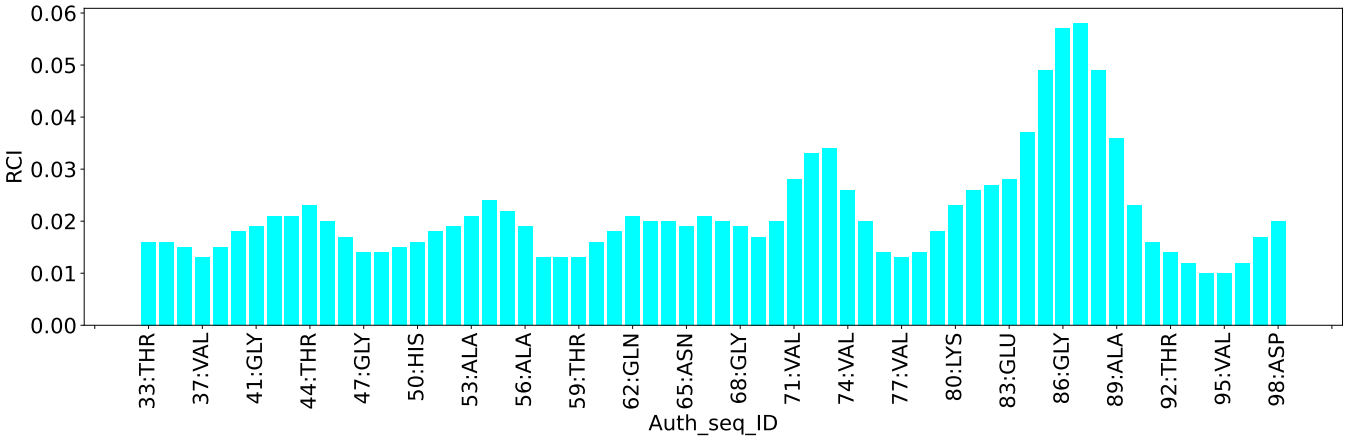
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.06
0.05
0.04
0.03
0.02
0.01
0.00
33:THR
37:VAL
41:GLY
44:THR
47:GLY
50:HIS
53:ALA
56:ALA
59:THR
62:GLN
65:ASN
68:GLY
71:VAL
74:VAL
77:VAL
80:LYS
83:GLU
86:GLY
89:ALA
92:THR
95:VAL
98:ASP
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	4941
Intra-residue (|i-j|=0)	1405
Sequential (|i-j|=1)	1443
Medium range (|i-j|>1 and |i-j|<5)	929
Long range (|i-j|≥5)	545
Inter-chain	435
Hydrogen bond restraints	184
Disulfide bond restraints	0
Total dihedral-angle restraints	680
Number of unmapped restraints	0
Number of restraints per residue	8.0
Number of long range restraints per residue[1]	0.8

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	56.8	0.2
0.2-0.5 (Medium)	169.3	0.5
>0.5 (Large)	626.4	3.84

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)	134.1	10.0
10.0-20.0 (Medium)	100.3	19.99
>20.0 (Large)	41.6	39.98

9 Distance violation analysis (i)

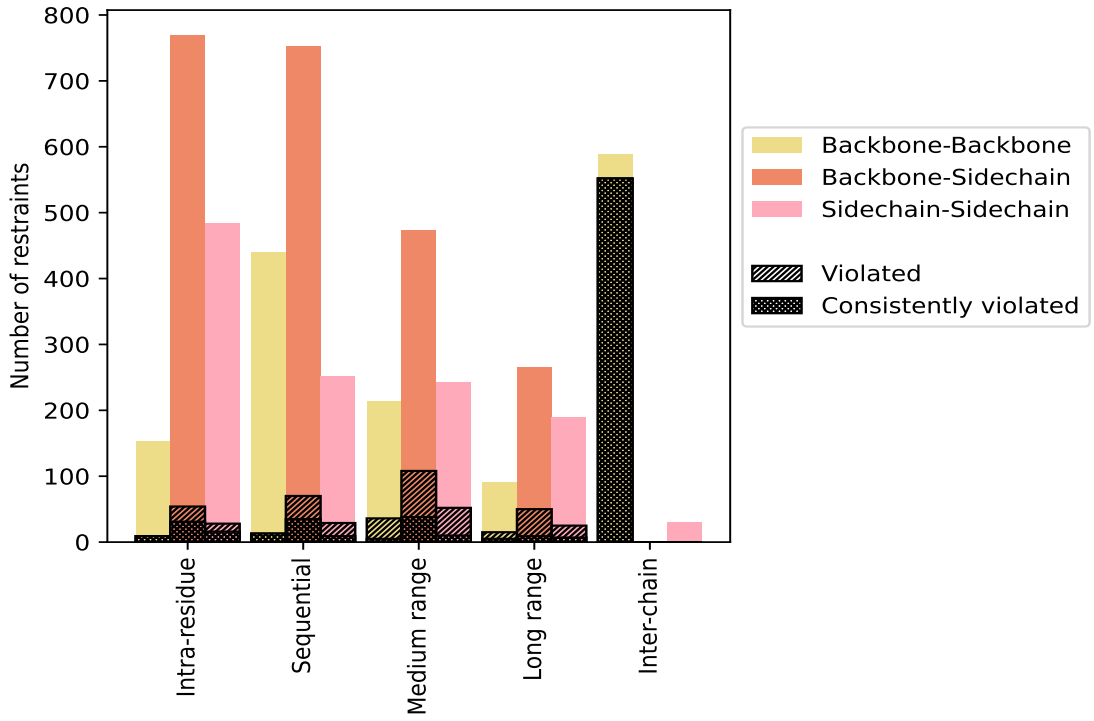
9.1 Summary of distance violations (i)

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)	1405	28.4	91	6.5	1.8	56	4.0	1.1
Backbone-Backbone	153	3.1	9	5.9	0.2	9	5.9	0.2
Backbone-Sidechain	769	15.6	54	7.0	1.1	31	4.0	0.6
Sidechain-Sidechain	483	9.8	28	5.8	0.6	16	3.3	0.3
Sequential (|i-j|=1)	1443	29.2	112	7.8	2.3	57	4.0	1.2
Backbone-Backbone	440	8.9	13	3.0	0.3	13	3.0	0.3
Backbone-Sidechain	752	15.2	70	9.3	1.4	35	4.7	0.7
Sidechain-Sidechain	251	5.1	29	11.6	0.6	9	3.6	0.2
Medium range (|i-j|>1 & |i-j|<5)	929	18.8	196	21.1	4.0	53	5.7	1.1
Backbone-Backbone	214	4.3	36	16.8	0.7	5	2.3	0.1
Backbone-Sidechain	473	9.6	108	22.8	2.2	38	8.0	0.8
Sidechain-Sidechain	242	4.9	52	21.5	1.1	10	4.1	0.2
Long range (|i-j|≥5)	545	11.0	90	16.5	1.8	21	3.9	0.4
Backbone-Backbone	90	1.8	15	16.7	0.3	5	5.6	0.1
Backbone-Sidechain	265	5.4	50	18.9	1.0	9	3.4	0.2
Sidechain-Sidechain	190	3.8	25	13.2	0.5	7	3.7	0.1
Inter-chain	435	8.8	368	84.6	7.4	368	84.6	7.4
Backbone-Backbone	405	8.2	368	90.9	7.4	368	90.9	7.4
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	30	0.6	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	184	3.7	184	100.0	3.7	184	100.0	3.7
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	4941	100.0	1041	21.1	21.1	739	15.0	15.0
Backbone-Backbone	1486	30.1	625	42.1	12.6	584	39.3	11.8
Backbone-Sidechain	2259	45.7	282	12.5	5.7	113	5.0	2.3
Sidechain-Sidechain	1196	24.2	134	11.2	2.7	42	3.5	0.9

[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

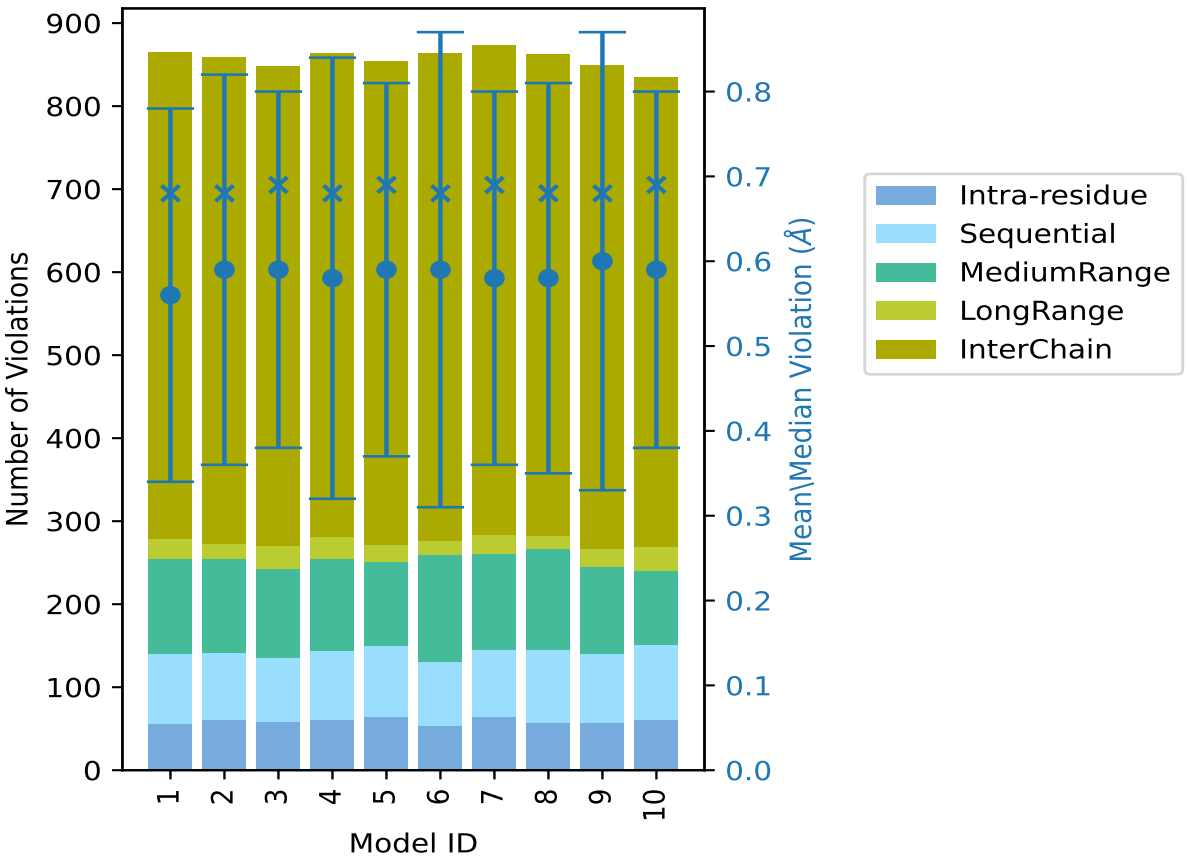
9.2 Distance violation statistics for each model

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	56	84	115	24	586	865	0.56	1.93	0.22	0.68
2	61	80	113	19	586	859	0.59	2.38	0.23	0.68
3	58	77	108	27	578	848	0.59	2.37	0.21	0.69
4	61	83	111	27	582	864	0.58	3.84	0.26	0.68
5	64	86	101	21	582	854	0.59	2.6	0.22	0.69
6	54	76	130	17	587	864	0.59	3.66	0.28	0.68
7	64	81	115	24	590	874	0.58	1.84	0.22	0.69
8	57	88	122	16	580	863	0.58	2.39	0.23	0.68
9	57	84	104	22	583	850	0.6	3.46	0.27	0.68
10	61	90	89	30	565	835	0.59	1.48	0.21	0.69

[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, 3900(IR:1314, SQ:1331, MR:733, LR:455, IC:67) 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]	%
24	6	37	20	0	87	1	10.0
3	8	20	11	0	42	2	20.0
0	7	12	7	0	26	3	30.0

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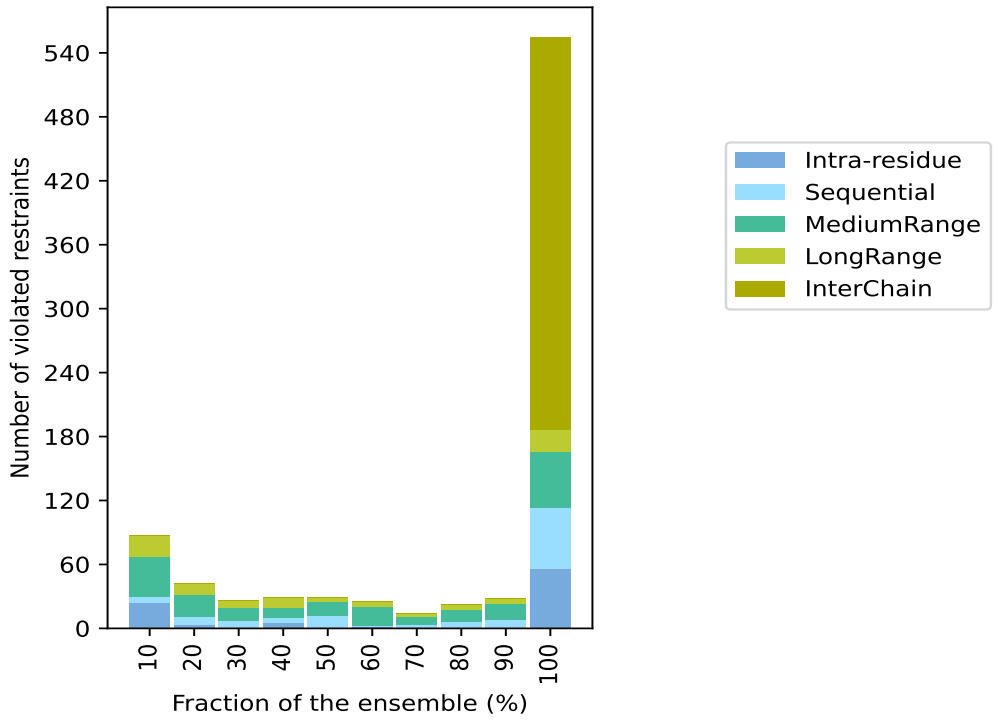
Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
5	5	9	10	0	29	4	40.0
0	12	13	4	0	29	5	50.0
2	1	17	5	0	25	6	60.0
0	3	8	3	0	14	7	70.0
0	6	12	4	0	22	8	80.0
1	7	15	5	0	28	9	90.0
56	57	53	21	368	555	10	100.0

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

9.3.1 Bar graph : Distance violation statistics for the ensemble

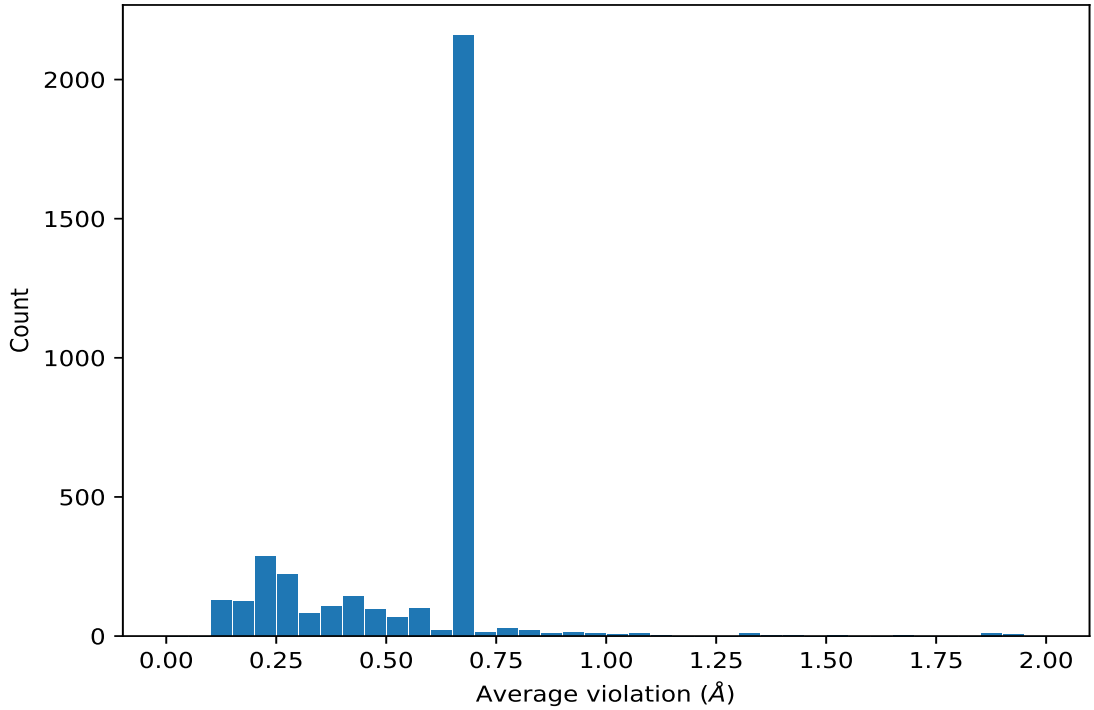


9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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

in the ensemble



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,15)	1:68:C:GLY:CA	1:94:C:PHE:CG	10	1.95	0.4	1.96
(3,15)	1:68:D:GLY:CA	1:94:C:PHE:CG	10	1.95	0.4	1.96
(3,15)	1:68:B:GLY:CA	1:94:B:PHE:CG	10	1.95	0.4	1.96
(3,15)	1:68:B:GLY:CA	1:94:A:PHE:CG	10	1.95	0.4	1.96
(3,15)	1:68:C:GLY:CA	1:94:B:PHE:CG	10	1.95	0.4	1.96
(3,15)	1:68:E:GLY:CA	1:94:E:PHE:CG	10	1.95	0.4	1.96
(3,15)	1:68:A:GLY:CA	1:94:A:PHE:CG	10	1.95	0.4	1.96
(1,2064)	1:77:E:VAL:CG2	1:94:E:PHE:CE1	10	1.88	0.5	1.82
(1,2064)	1:77:B:VAL:CG1	1:94:A:PHE:CE2	10	1.88	0.5	1.82
(1,2064)	1:77:B:VAL:CG2	1:94:B:PHE:CE1	10	1.88	0.5	1.82
(1,2064)	1:77:C:VAL:CG1	1:94:B:PHE:CE2	10	1.88	0.5	1.82
(1,2064)	1:77:B:VAL:CG2	1:94:A:PHE:CE1	10	1.88	0.5	1.82
(1,2064)	1:77:E:VAL:CG2	1:94:D:PHE:CE1	10	1.88	0.5	1.82
(1,2064)	1:77:C:VAL:CG1	1:94:C:PHE:CE2	10	1.88	0.5	1.82
(1,2064)	1:77:D:VAL:CG1	1:94:C:PHE:CE2	10	1.88	0.5	1.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2064)	1:77:C:VAL:CG2	1:94:B:PHE:CE1	10	1.88	0.5	1.82
(1,4172)	1:71:A:VAL:C	1:74:A:VAL:CG2	10	1.67	0.24	1.79
(1,4172)	1:71:B:VAL:C	1:74:B:VAL:CG2	10	1.67	0.24	1.79
(1,4172)	1:71:D:VAL:C	1:74:D:VAL:CG2	10	1.67	0.24	1.79
(1,4172)	1:71:C:VAL:C	1:74:C:VAL:CG2	10	1.67	0.24	1.79
(3,1)	1:92:B:THR:CB	1:88:B:ILE:CD1	10	1.32	0.18	1.36
(3,1)	1:92:C:THR:CB	1:88:C:ILE:CD1	10	1.32	0.18	1.36
(3,1)	1:92:E:THR:CB	1:88:E:ILE:CD1	10	1.32	0.18	1.36
(3,1)	1:92:C:THR:CB	1:88:D:ILE:CD1	10	1.32	0.18	1.36
(3,1)	1:92:A:THR:CB	1:88:A:ILE:CD1	10	1.32	0.18	1.36
(1,3163)	1:74:B:VAL:CG2	1:72:B:THR:CB	10	1.06	0.17	1.07
(1,3163)	1:74:C:VAL:CG2	1:72:C:THR:CB	10	1.06	0.17	1.07
(1,3163)	1:74:E:VAL:CG2	1:72:E:THR:CB	10	1.06	0.17	1.07
(1,3163)	1:74:A:VAL:CG2	1:72:A:THR:CB	10	1.06	0.17	1.07
(1,3165)	1:74:B:VAL:CG2	1:72:B:THR:CB	10	1.06	0.17	1.07
(1,3165)	1:74:C:VAL:CG2	1:72:C:THR:CB	10	1.06	0.17	1.07
(1,3165)	1:74:E:VAL:CG2	1:72:E:THR:CB	10	1.06	0.17	1.07
(1,3165)	1:74:A:VAL:CG2	1:72:A:THR:CB	10	1.06	0.17	1.07
(1,1641)	1:77:D:VAL:CA	1:74:D:VAL:CG1	10	1.02	0.21	0.96
(1,1641)	1:77:A:VAL:CA	1:74:A:VAL:CG1	10	1.02	0.21	0.96
(1,1641)	1:77:B:VAL:CA	1:74:B:VAL:CG1	10	1.02	0.21	0.96
(1,1641)	1:77:E:VAL:CA	1:74:E:VAL:CG1	10	1.02	0.21	0.96
(1,3286)	1:70:E:VAL:CG2	1:93:D:GLY:C	10	0.98	0.24	1.01
(1,3286)	1:70:B:VAL:CG2	1:93:A:GLY:C	10	0.98	0.24	1.01
(1,3286)	1:70:C:VAL:CG2	1:93:C:GLY:C	10	0.98	0.24	1.01
(1,3286)	1:70:D:VAL:CG2	1:93:D:GLY:C	10	0.98	0.24	1.01
(1,3286)	1:70:B:VAL:CG2	1:93:B:GLY:C	10	0.98	0.24	1.01
(1,3286)	1:70:A:VAL:CG2	1:93:A:GLY:C	10	0.98	0.24	1.01
(1,4247)	1:79:D:GLN:CB	1:77:D:VAL:CB	10	0.97	0.17	0.94
(1,4247)	1:79:A:GLN:CB	1:77:A:VAL:CB	10	0.97	0.17	0.94
(1,4247)	1:79:E:GLN:CB	1:77:E:VAL:CB	10	0.97	0.17	0.94
(1,4247)	1:79:C:GLN:CB	1:77:C:VAL:CB	10	0.97	0.17	0.94
(1,3646)	1:80:B:LYS:C	1:48:A:VAL:CG2	10	0.92	0.24	0.87
(1,3646)	1:80:E:LYS:C	1:48:D:VAL:CG2	10	0.92	0.24	0.87
(1,3646)	1:80:C:LYS:C	1:48:B:VAL:CG2	10	0.92	0.24	0.87
(1,3646)	1:80:C:LYS:C	1:48:C:VAL:CG2	10	0.92	0.24	0.87
(1,4084)	1:76:D:ALA:CA	1:79:D:GLN:CB	10	0.91	0.12	0.9
(1,4084)	1:76:B:ALA:CA	1:79:B:GLN:CB	10	0.91	0.12	0.9
(1,4084)	1:76:E:ALA:CA	1:79:E:GLN:CB	10	0.91	0.12	0.9
(1,4084)	1:76:C:ALA:CA	1:79:C:GLN:CB	10	0.91	0.12	0.9
(1,4084)	1:76:A:ALA:CA	1:79:A:GLN:CB	10	0.91	0.12	0.9
(1,2424)	1:40:E:VAL:CA	1:43:E:LYS:CE	10	0.87	1.03	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2424)	1:40:D:VAL:CA	1:43:D:LYS:CE	10	0.87	1.03	0.4
(1,2424)	1:40:A:VAL:CA	1:43:A:LYS:CE	10	0.87	1.03	0.4
(1,2424)	1:40:C:VAL:CA	1:43:C:LYS:CE	10	0.87	1.03	0.4
(1,2424)	1:40:B:VAL:CA	1:43:B:LYS:CE	10	0.87	1.03	0.4
(1,2450)	1:88:A:ILE:CG1	1:82:A:VAL:CG1	10	0.82	0.21	0.86
(1,2450)	1:88:D:ILE:CG1	1:82:D:VAL:CG1	10	0.82	0.21	0.86
(1,2450)	1:88:B:ILE:CG1	1:82:B:VAL:CG1	10	0.82	0.21	0.86
(1,2450)	1:88:B:ILE:CG1	1:82:C:VAL:CG1	10	0.82	0.21	0.86
(1,2450)	1:88:C:ILE:CG1	1:82:C:VAL:CG1	10	0.82	0.21	0.86
(1,3813)	1:82:A:VAL:CG1	1:88:A:ILE:CG1	10	0.82	0.21	0.86
(1,3813)	1:82:D:VAL:CG1	1:88:D:ILE:CG1	10	0.82	0.21	0.86
(1,3813)	1:82:B:VAL:CG1	1:88:B:ILE:CG1	10	0.82	0.21	0.86
(1,3813)	1:82:C:VAL:CG1	1:88:B:ILE:CG1	10	0.82	0.21	0.86
(1,3813)	1:82:C:VAL:CG1	1:88:C:ILE:CG1	10	0.82	0.21	0.86
(1,3174)	1:71:B:VAL:CG2	1:92:A:THR:CB	10	0.78	0.14	0.79
(1,3174)	1:71:C:VAL:CG2	1:92:B:THR:CB	10	0.78	0.14	0.79
(1,3174)	1:71:E:VAL:CG1	1:92:D:THR:CB	10	0.78	0.14	0.79
(1,3174)	1:71:D:VAL:CG2	1:92:C:THR:CB	10	0.78	0.14	0.79
(1,3174)	1:71:D:VAL:CG1	1:92:D:THR:CB	10	0.78	0.14	0.79
(1,3174)	1:71:C:VAL:CG1	1:92:B:THR:CB	10	0.78	0.14	0.79
(1,3174)	1:71:D:VAL:CG1	1:92:C:THR:CB	10	0.78	0.14	0.79
(1,3036)	1:71:A:VAL:CG2	1:70:A:VAL:CA	10	0.78	0.18	0.84
(1,3036)	1:71:C:VAL:CG2	1:70:C:VAL:CA	10	0.78	0.18	0.84
(1,3036)	1:71:D:VAL:CG2	1:70:D:VAL:CA	10	0.78	0.18	0.84
(1,3036)	1:71:E:VAL:CG2	1:70:E:VAL:CA	10	0.78	0.18	0.84
(1,3036)	1:71:B:VAL:CG2	1:70:B:VAL:CA	10	0.78	0.18	0.84
(1,4183)	1:58:C:LYS:C	1:55:C:VAL:CG1	10	0.77	0.27	0.88
(1,4183)	1:58:B:LYS:C	1:55:B:VAL:CG1	10	0.77	0.27	0.88
(1,4183)	1:58:A:LYS:C	1:55:A:VAL:CG1	10	0.77	0.27	0.88
(1,4183)	1:58:D:LYS:C	1:55:D:VAL:CG1	10	0.77	0.27	0.88
(1,4183)	1:58:E:LYS:C	1:55:E:VAL:CG1	10	0.77	0.27	0.88
(1,1784)	1:70:D:VAL:CG2	1:66:D:VAL:C	10	0.76	0.32	0.93
(1,1784)	1:70:E:VAL:CG2	1:66:E:VAL:C	10	0.76	0.32	0.93
(1,1784)	1:70:A:VAL:CG2	1:66:A:VAL:C	10	0.76	0.32	0.93
(1,1784)	1:70:C:VAL:CG2	1:66:C:VAL:C	10	0.76	0.32	0.93
(1,1784)	1:70:B:VAL:CG2	1:66:B:VAL:C	10	0.76	0.32	0.93
(1,1829)	1:63:E:VAL:CG2	1:73:E:GLY:CA	10	0.7	0.51	0.44
(1,1829)	1:63:D:VAL:CG2	1:73:D:GLY:CA	10	0.7	0.51	0.44
(1,1829)	1:63:B:VAL:CG2	1:73:C:GLY:CA	10	0.7	0.51	0.44
(1,1829)	1:63:B:VAL:CG2	1:73:B:GLY:CA	10	0.7	0.51	0.44
(1,1829)	1:63:A:VAL:CG2	1:73:B:GLY:CA	10	0.7	0.51	0.44
(1,3637)	1:77:B:VAL:C	1:48:A:VAL:CG1	10	0.69	0.26	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3637)	1:77:E:VAL:C	1:48:D:VAL:CG1	10	0.69	0.26	0.66
(1,3637)	1:77:C:VAL:C	1:48:B:VAL:CG1	10	0.69	0.26	0.66
(1,3637)	1:77:D:VAL:C	1:48:C:VAL:CG1	10	0.69	0.26	0.66
(1,3637)	1:77:D:VAL:C	1:48:D:VAL:CG1	10	0.69	0.26	0.66
(2,2)	1:39:D:TYR:CA	1:39:E:TYR:CA	10	0.69	0.0	0.69
(2,2)	1:39:C:TYR:CA	1:39:D:TYR:CA	10	0.69	0.0	0.69
(2,2)	1:39:B:TYR:CA	1:39:C:TYR:CA	10	0.69	0.0	0.69
(2,2)	1:39:A:TYR:CA	1:39:B:TYR:CA	10	0.69	0.0	0.69
(2,5)	1:39:D:TYR:CA	1:39:E:TYR:CA	10	0.69	0.0	0.69
(2,5)	1:39:C:TYR:CA	1:39:D:TYR:CA	10	0.69	0.0	0.69
(2,5)	1:39:B:TYR:CA	1:39:C:TYR:CA	10	0.69	0.0	0.69
(2,5)	1:39:A:TYR:CA	1:39:B:TYR:CA	10	0.69	0.0	0.69
(2,8)	1:39:D:TYR:CA	1:39:E:TYR:CA	10	0.69	0.0	0.69
(2,8)	1:39:C:TYR:CA	1:39:D:TYR:CA	10	0.69	0.0	0.69
(2,8)	1:39:B:TYR:CA	1:39:C:TYR:CA	10	0.69	0.0	0.69
(2,8)	1:39:A:TYR:CA	1:39:B:TYR:CA	10	0.69	0.0	0.69
(2,11)	1:39:D:TYR:CA	1:39:E:TYR:CA	10	0.69	0.0	0.69
(2,11)	1:39:C:TYR:CA	1:39:D:TYR:CA	10	0.69	0.0	0.69
(2,11)	1:39:B:TYR:CA	1:39:C:TYR:CA	10	0.69	0.0	0.69
(2,11)	1:39:A:TYR:CA	1:39:B:TYR:CA	10	0.69	0.0	0.69
(2,51)	1:44:A:THR:N	1:44:B:THR:N	10	0.69	0.0	0.69
(2,51)	1:44:D:THR:N	1:44:E:THR:N	10	0.69	0.0	0.69
(2,51)	1:44:B:THR:N	1:44:C:THR:N	10	0.69	0.0	0.69
(2,51)	1:44:C:THR:N	1:44:D:THR:N	10	0.69	0.0	0.69
(2,54)	1:44:A:THR:N	1:44:B:THR:N	10	0.69	0.0	0.69
(2,54)	1:44:D:THR:N	1:44:E:THR:N	10	0.69	0.0	0.69
(2,54)	1:44:B:THR:N	1:44:C:THR:N	10	0.69	0.0	0.69
(2,54)	1:44:C:THR:N	1:44:D:THR:N	10	0.69	0.0	0.69
(2,57)	1:44:A:THR:N	1:44:B:THR:N	10	0.69	0.0	0.69
(2,57)	1:44:D:THR:N	1:44:E:THR:N	10	0.69	0.0	0.69
(2,57)	1:44:B:THR:N	1:44:C:THR:N	10	0.69	0.0	0.69
(2,57)	1:44:C:THR:N	1:44:D:THR:N	10	0.69	0.0	0.69
(2,60)	1:44:A:THR:N	1:44:B:THR:N	10	0.69	0.0	0.69
(2,60)	1:44:D:THR:N	1:44:E:THR:N	10	0.69	0.0	0.69
(2,60)	1:44:B:THR:N	1:44:C:THR:N	10	0.69	0.0	0.69
(2,60)	1:44:C:THR:N	1:44:D:THR:N	10	0.69	0.0	0.69
(2,99)	1:49:B:VAL:N	1:49:C:VAL:N	10	0.69	0.0	0.69
(2,99)	1:49:A:VAL:N	1:49:B:VAL:N	10	0.69	0.0	0.69
(2,99)	1:49:C:VAL:N	1:49:D:VAL:N	10	0.69	0.0	0.69
(2,99)	1:49:D:VAL:N	1:49:E:VAL:N	10	0.69	0.0	0.69
(2,102)	1:49:B:VAL:N	1:49:C:VAL:N	10	0.69	0.0	0.69
(2,102)	1:49:A:VAL:N	1:49:B:VAL:N	10	0.69	0.0	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,102)	1:49:C:VAL:N	1:49:D:VAL:N	10	0.69	0.0	0.69
(2,102)	1:49:D:VAL:N	1:49:E:VAL:N	10	0.69	0.0	0.69
(2,105)	1:49:B:VAL:N	1:49:C:VAL:N	10	0.69	0.0	0.69
(2,105)	1:49:A:VAL:N	1:49:B:VAL:N	10	0.69	0.0	0.69
(2,105)	1:49:C:VAL:N	1:49:D:VAL:N	10	0.69	0.0	0.69
(2,105)	1:49:D:VAL:N	1:49:E:VAL:N	10	0.69	0.0	0.69
(2,108)	1:49:B:VAL:N	1:49:C:VAL:N	10	0.69	0.0	0.69
(2,108)	1:49:A:VAL:N	1:49:B:VAL:N	10	0.69	0.0	0.69
(2,108)	1:49:C:VAL:N	1:49:D:VAL:N	10	0.69	0.0	0.69
(2,108)	1:49:D:VAL:N	1:49:E:VAL:N	10	0.69	0.0	0.69
(2,135)	1:53:D:ALA:N	1:53:E:ALA:N	10	0.69	0.0	0.69
(2,135)	1:53:A:ALA:N	1:53:B:ALA:N	10	0.69	0.0	0.69
(2,135)	1:53:B:ALA:N	1:53:C:ALA:N	10	0.69	0.0	0.69
(2,135)	1:53:C:ALA:N	1:53:D:ALA:N	10	0.69	0.0	0.69
(2,138)	1:53:D:ALA:N	1:53:E:ALA:N	10	0.69	0.0	0.69
(2,138)	1:53:A:ALA:N	1:53:B:ALA:N	10	0.69	0.0	0.69
(2,138)	1:53:B:ALA:N	1:53:C:ALA:N	10	0.69	0.0	0.69
(2,138)	1:53:C:ALA:N	1:53:D:ALA:N	10	0.69	0.0	0.69
(2,141)	1:53:D:ALA:N	1:53:E:ALA:N	10	0.69	0.0	0.69
(2,141)	1:53:A:ALA:N	1:53:B:ALA:N	10	0.69	0.0	0.69
(2,141)	1:53:B:ALA:N	1:53:C:ALA:N	10	0.69	0.0	0.69
(2,141)	1:53:C:ALA:N	1:53:D:ALA:N	10	0.69	0.0	0.69
(2,144)	1:53:D:ALA:N	1:53:E:ALA:N	10	0.69	0.0	0.69
(2,144)	1:53:A:ALA:N	1:53:B:ALA:N	10	0.69	0.0	0.69
(2,144)	1:53:B:ALA:N	1:53:C:ALA:N	10	0.69	0.0	0.69
(2,144)	1:53:C:ALA:N	1:53:D:ALA:N	10	0.69	0.0	0.69
(2,171)	1:56:A:ALA:N	1:56:B:ALA:N	10	0.69	0.0	0.69
(2,171)	1:56:B:ALA:N	1:56:C:ALA:N	10	0.69	0.0	0.69
(2,171)	1:56:D:ALA:N	1:56:E:ALA:N	10	0.69	0.0	0.69
(2,171)	1:56:C:ALA:N	1:56:D:ALA:N	10	0.69	0.0	0.69
(2,174)	1:56:A:ALA:N	1:56:B:ALA:N	10	0.69	0.0	0.69
(2,174)	1:56:B:ALA:N	1:56:C:ALA:N	10	0.69	0.0	0.69
(2,174)	1:56:D:ALA:N	1:56:E:ALA:N	10	0.69	0.0	0.69
(2,174)	1:56:C:ALA:N	1:56:D:ALA:N	10	0.69	0.0	0.69
(2,177)	1:56:A:ALA:N	1:56:B:ALA:N	10	0.69	0.0	0.69
(2,177)	1:56:B:ALA:N	1:56:C:ALA:N	10	0.69	0.0	0.69
(2,177)	1:56:D:ALA:N	1:56:E:ALA:N	10	0.69	0.0	0.69
(2,177)	1:56:C:ALA:N	1:56:D:ALA:N	10	0.69	0.0	0.69
(2,180)	1:56:A:ALA:N	1:56:B:ALA:N	10	0.69	0.0	0.69
(2,180)	1:56:B:ALA:N	1:56:C:ALA:N	10	0.69	0.0	0.69
(2,180)	1:56:D:ALA:N	1:56:E:ALA:N	10	0.69	0.0	0.69
(2,180)	1:56:C:ALA:N	1:56:D:ALA:N	10	0.69	0.0	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,181)	1:57:D:GLU:C	1:57:E:GLU:C	10	0.69	0.0	0.69
(2,181)	1:57:A:GLU:C	1:57:B:GLU:C	10	0.69	0.0	0.69
(2,181)	1:57:B:GLU:C	1:57:C:GLU:C	10	0.69	0.0	0.69
(2,184)	1:57:D:GLU:C	1:57:E:GLU:C	10	0.69	0.0	0.69
(2,184)	1:57:A:GLU:C	1:57:B:GLU:C	10	0.69	0.0	0.69
(2,184)	1:57:B:GLU:C	1:57:C:GLU:C	10	0.69	0.0	0.69
(2,187)	1:57:D:GLU:C	1:57:E:GLU:C	10	0.69	0.0	0.69
(2,187)	1:57:A:GLU:C	1:57:B:GLU:C	10	0.69	0.0	0.69
(2,187)	1:57:B:GLU:C	1:57:C:GLU:C	10	0.69	0.0	0.69
(2,190)	1:57:D:GLU:C	1:57:E:GLU:C	10	0.69	0.0	0.69
(2,190)	1:57:A:GLU:C	1:57:B:GLU:C	10	0.69	0.0	0.69
(2,190)	1:57:B:GLU:C	1:57:C:GLU:C	10	0.69	0.0	0.69
(2,278)	1:65:D:ASN:CA	1:65:E:ASN:CA	10	0.69	0.0	0.69
(2,278)	1:65:C:ASN:CA	1:65:D:ASN:CA	10	0.69	0.0	0.69
(2,278)	1:65:B:ASN:CA	1:65:C:ASN:CA	10	0.69	0.0	0.69
(2,278)	1:65:A:ASN:CA	1:65:B:ASN:CA	10	0.69	0.0	0.69
(2,281)	1:65:D:ASN:CA	1:65:E:ASN:CA	10	0.69	0.0	0.69
(2,281)	1:65:C:ASN:CA	1:65:D:ASN:CA	10	0.69	0.0	0.69
(2,281)	1:65:B:ASN:CA	1:65:C:ASN:CA	10	0.69	0.0	0.69
(2,281)	1:65:A:ASN:CA	1:65:B:ASN:CA	10	0.69	0.0	0.69
(2,284)	1:65:D:ASN:CA	1:65:E:ASN:CA	10	0.69	0.0	0.69
(2,284)	1:65:C:ASN:CA	1:65:D:ASN:CA	10	0.69	0.0	0.69
(2,284)	1:65:B:ASN:CA	1:65:C:ASN:CA	10	0.69	0.0	0.69
(2,284)	1:65:A:ASN:CA	1:65:B:ASN:CA	10	0.69	0.0	0.69
(2,287)	1:65:D:ASN:CA	1:65:E:ASN:CA	10	0.69	0.0	0.69
(2,287)	1:65:C:ASN:CA	1:65:D:ASN:CA	10	0.69	0.0	0.69
(2,287)	1:65:B:ASN:CA	1:65:C:ASN:CA	10	0.69	0.0	0.69
(2,287)	1:65:A:ASN:CA	1:65:B:ASN:CA	10	0.69	0.0	0.69
(2,301)	1:69:A:ALA:C	1:69:B:ALA:C	10	0.69	0.0	0.69
(2,301)	1:69:D:ALA:C	1:69:E:ALA:C	10	0.69	0.0	0.69
(2,301)	1:69:B:ALA:C	1:69:C:ALA:C	10	0.69	0.0	0.69
(2,301)	1:69:C:ALA:C	1:69:D:ALA:C	10	0.69	0.0	0.69
(2,302)	1:69:B:ALA:CA	1:69:C:ALA:CA	10	0.69	0.0	0.69
(2,302)	1:69:D:ALA:CA	1:69:E:ALA:CA	10	0.69	0.0	0.69
(2,302)	1:69:C:ALA:CA	1:69:D:ALA:CA	10	0.69	0.0	0.69
(2,302)	1:69:A:ALA:CA	1:69:B:ALA:CA	10	0.69	0.0	0.69
(2,304)	1:69:A:ALA:C	1:69:B:ALA:C	10	0.69	0.0	0.69
(2,304)	1:69:D:ALA:C	1:69:E:ALA:C	10	0.69	0.0	0.69
(2,304)	1:69:B:ALA:C	1:69:C:ALA:C	10	0.69	0.0	0.69
(2,304)	1:69:C:ALA:C	1:69:D:ALA:C	10	0.69	0.0	0.69
(2,305)	1:69:B:ALA:CA	1:69:C:ALA:CA	10	0.69	0.0	0.69
(2,305)	1:69:D:ALA:CA	1:69:E:ALA:CA	10	0.69	0.0	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,305)	1:69:C:ALA:CA	1:69:D:ALA:CA	10	0.69	0.0	0.69
(2,305)	1:69:A:ALA:CA	1:69:B:ALA:CA	10	0.69	0.0	0.69
(2,307)	1:69:A:ALA:C	1:69:B:ALA:C	10	0.69	0.0	0.69
(2,307)	1:69:D:ALA:C	1:69:E:ALA:C	10	0.69	0.0	0.69
(2,307)	1:69:B:ALA:C	1:69:C:ALA:C	10	0.69	0.0	0.69
(2,307)	1:69:C:ALA:C	1:69:D:ALA:C	10	0.69	0.0	0.69
(2,308)	1:69:B:ALA:CA	1:69:C:ALA:CA	10	0.69	0.0	0.69
(2,308)	1:69:D:ALA:CA	1:69:E:ALA:CA	10	0.69	0.0	0.69
(2,308)	1:69:C:ALA:CA	1:69:D:ALA:CA	10	0.69	0.0	0.69
(2,308)	1:69:A:ALA:CA	1:69:B:ALA:CA	10	0.69	0.0	0.69
(2,310)	1:69:A:ALA:C	1:69:B:ALA:C	10	0.69	0.0	0.69
(2,310)	1:69:D:ALA:C	1:69:E:ALA:C	10	0.69	0.0	0.69
(2,310)	1:69:B:ALA:C	1:69:C:ALA:C	10	0.69	0.0	0.69
(2,310)	1:69:C:ALA:C	1:69:D:ALA:C	10	0.69	0.0	0.69
(2,311)	1:69:B:ALA:CA	1:69:C:ALA:CA	10	0.69	0.0	0.69
(2,311)	1:69:D:ALA:CA	1:69:E:ALA:CA	10	0.69	0.0	0.69
(2,311)	1:69:C:ALA:CA	1:69:D:ALA:CA	10	0.69	0.0	0.69
(2,311)	1:69:A:ALA:CA	1:69:B:ALA:CA	10	0.69	0.0	0.69
(2,349)	1:74:A:VAL:C	1:74:B:VAL:C	10	0.69	0.0	0.69
(2,349)	1:74:D:VAL:C	1:74:E:VAL:C	10	0.69	0.0	0.69
(2,349)	1:74:B:VAL:C	1:74:C:VAL:C	10	0.69	0.0	0.69
(2,349)	1:74:C:VAL:C	1:74:D:VAL:C	10	0.69	0.0	0.69
(2,352)	1:74:A:VAL:C	1:74:B:VAL:C	10	0.69	0.0	0.69
(2,352)	1:74:D:VAL:C	1:74:E:VAL:C	10	0.69	0.0	0.69
(2,352)	1:74:B:VAL:C	1:74:C:VAL:C	10	0.69	0.0	0.69
(2,352)	1:74:C:VAL:C	1:74:D:VAL:C	10	0.69	0.0	0.69
(2,355)	1:74:A:VAL:C	1:74:B:VAL:C	10	0.69	0.0	0.69
(2,355)	1:74:D:VAL:C	1:74:E:VAL:C	10	0.69	0.0	0.69
(2,355)	1:74:B:VAL:C	1:74:C:VAL:C	10	0.69	0.0	0.69
(2,355)	1:74:C:VAL:C	1:74:D:VAL:C	10	0.69	0.0	0.69
(2,358)	1:74:A:VAL:C	1:74:B:VAL:C	10	0.69	0.0	0.69
(2,358)	1:74:D:VAL:C	1:74:E:VAL:C	10	0.69	0.0	0.69
(2,358)	1:74:B:VAL:C	1:74:C:VAL:C	10	0.69	0.0	0.69
(2,358)	1:74:C:VAL:C	1:74:D:VAL:C	10	0.69	0.0	0.69
(2,375)	1:76:C:ALA:N	1:76:D:ALA:N	10	0.69	0.0	0.69
(2,375)	1:76:B:ALA:N	1:76:C:ALA:N	10	0.69	0.0	0.69
(2,375)	1:76:A:ALA:N	1:76:B:ALA:N	10	0.69	0.0	0.69
(2,375)	1:76:D:ALA:N	1:76:E:ALA:N	10	0.69	0.0	0.69
(2,378)	1:76:C:ALA:N	1:76:D:ALA:N	10	0.69	0.0	0.69
(2,378)	1:76:B:ALA:N	1:76:C:ALA:N	10	0.69	0.0	0.69
(2,378)	1:76:A:ALA:N	1:76:B:ALA:N	10	0.69	0.0	0.69
(2,378)	1:76:D:ALA:N	1:76:E:ALA:N	10	0.69	0.0	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,381)	1:76:C:ALA:N	1:76:D:ALA:N	10	0.69	0.0	0.69
(2,381)	1:76:B:ALA:N	1:76:C:ALA:N	10	0.69	0.0	0.69
(2,381)	1:76:A:ALA:N	1:76:B:ALA:N	10	0.69	0.0	0.69
(2,381)	1:76:D:ALA:N	1:76:E:ALA:N	10	0.69	0.0	0.69
(2,384)	1:76:C:ALA:N	1:76:D:ALA:N	10	0.69	0.0	0.69
(2,384)	1:76:B:ALA:N	1:76:C:ALA:N	10	0.69	0.0	0.69
(2,384)	1:76:A:ALA:N	1:76:B:ALA:N	10	0.69	0.0	0.69
(2,384)	1:76:D:ALA:N	1:76:E:ALA:N	10	0.69	0.0	0.69
(2,385)	1:77:D:VAL:C	1:77:E:VAL:C	10	0.69	0.0	0.69
(2,385)	1:77:C:VAL:C	1:77:D:VAL:C	10	0.69	0.0	0.69
(2,385)	1:77:A:VAL:C	1:77:B:VAL:C	10	0.69	0.0	0.69
(2,386)	1:77:A:VAL:CA	1:77:B:VAL:CA	10	0.69	0.0	0.69
(2,386)	1:77:C:VAL:CA	1:77:D:VAL:CA	10	0.69	0.0	0.69
(2,386)	1:77:D:VAL:CA	1:77:E:VAL:CA	10	0.69	0.0	0.69
(2,386)	1:77:B:VAL:CA	1:77:C:VAL:CA	10	0.69	0.0	0.69
(2,388)	1:77:D:VAL:C	1:77:E:VAL:C	10	0.69	0.0	0.69
(2,388)	1:77:C:VAL:C	1:77:D:VAL:C	10	0.69	0.0	0.69
(2,388)	1:77:A:VAL:C	1:77:B:VAL:C	10	0.69	0.0	0.69
(2,389)	1:77:A:VAL:CA	1:77:B:VAL:CA	10	0.69	0.0	0.69
(2,389)	1:77:C:VAL:CA	1:77:D:VAL:CA	10	0.69	0.0	0.69
(2,389)	1:77:D:VAL:CA	1:77:E:VAL:CA	10	0.69	0.0	0.69
(2,389)	1:77:B:VAL:CA	1:77:C:VAL:CA	10	0.69	0.0	0.69
(2,391)	1:77:D:VAL:C	1:77:E:VAL:C	10	0.69	0.0	0.69
(2,391)	1:77:C:VAL:C	1:77:D:VAL:C	10	0.69	0.0	0.69
(2,391)	1:77:A:VAL:C	1:77:B:VAL:C	10	0.69	0.0	0.69
(2,392)	1:77:A:VAL:CA	1:77:B:VAL:CA	10	0.69	0.0	0.69
(2,392)	1:77:C:VAL:CA	1:77:D:VAL:CA	10	0.69	0.0	0.69
(2,392)	1:77:D:VAL:CA	1:77:E:VAL:CA	10	0.69	0.0	0.69
(2,392)	1:77:B:VAL:CA	1:77:C:VAL:CA	10	0.69	0.0	0.69
(2,394)	1:77:D:VAL:C	1:77:E:VAL:C	10	0.69	0.0	0.69
(2,394)	1:77:C:VAL:C	1:77:D:VAL:C	10	0.69	0.0	0.69
(2,394)	1:77:A:VAL:C	1:77:B:VAL:C	10	0.69	0.0	0.69
(2,395)	1:77:A:VAL:CA	1:77:B:VAL:CA	10	0.69	0.0	0.69
(2,395)	1:77:C:VAL:CA	1:77:D:VAL:CA	10	0.69	0.0	0.69
(2,395)	1:77:D:VAL:CA	1:77:E:VAL:CA	10	0.69	0.0	0.69
(2,395)	1:77:B:VAL:CA	1:77:C:VAL:CA	10	0.69	0.0	0.69
(2,409)	1:79:A:GLN:C	1:79:B:GLN:C	10	0.69	0.0	0.69
(2,409)	1:79:C:GLN:C	1:79:D:GLN:C	10	0.69	0.0	0.69
(2,409)	1:79:D:GLN:C	1:79:E:GLN:C	10	0.69	0.0	0.69
(2,412)	1:79:A:GLN:C	1:79:B:GLN:C	10	0.69	0.0	0.69
(2,412)	1:79:C:GLN:C	1:79:D:GLN:C	10	0.69	0.0	0.69
(2,412)	1:79:D:GLN:C	1:79:E:GLN:C	10	0.69	0.0	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,415)	1:79:A:GLN:C	1:79:B:GLN:C	10	0.69	0.0	0.69
(2,415)	1:79:C:GLN:C	1:79:D:GLN:C	10	0.69	0.0	0.69
(2,415)	1:79:D:GLN:C	1:79:E:GLN:C	10	0.69	0.0	0.69
(2,418)	1:79:A:GLN:C	1:79:B:GLN:C	10	0.69	0.0	0.69
(2,418)	1:79:C:GLN:C	1:79:D:GLN:C	10	0.69	0.0	0.69
(2,418)	1:79:D:GLN:C	1:79:E:GLN:C	10	0.69	0.0	0.69
(2,423)	1:80:A:LYS:N	1:80:B:LYS:N	10	0.69	0.0	0.69
(2,423)	1:80:C:LYS:N	1:80:D:LYS:N	10	0.69	0.0	0.69
(2,423)	1:80:D:LYS:N	1:80:E:LYS:N	10	0.69	0.0	0.69
(2,426)	1:80:A:LYS:N	1:80:B:LYS:N	10	0.69	0.0	0.69
(2,426)	1:80:C:LYS:N	1:80:D:LYS:N	10	0.69	0.0	0.69
(2,426)	1:80:D:LYS:N	1:80:E:LYS:N	10	0.69	0.0	0.69
(2,429)	1:80:A:LYS:N	1:80:B:LYS:N	10	0.69	0.0	0.69
(2,429)	1:80:C:LYS:N	1:80:D:LYS:N	10	0.69	0.0	0.69
(2,429)	1:80:D:LYS:N	1:80:E:LYS:N	10	0.69	0.0	0.69
(2,432)	1:80:A:LYS:N	1:80:B:LYS:N	10	0.69	0.0	0.69
(2,432)	1:80:C:LYS:N	1:80:D:LYS:N	10	0.69	0.0	0.69
(2,432)	1:80:D:LYS:N	1:80:E:LYS:N	10	0.69	0.0	0.69
(2,494)	1:92:A:THR:CA	1:92:B:THR:CA	10	0.69	0.0	0.69
(2,494)	1:92:B:THR:CA	1:92:C:THR:CA	10	0.69	0.0	0.69
(2,494)	1:92:D:THR:CA	1:92:E:THR:CA	10	0.69	0.0	0.69
(2,494)	1:92:C:THR:CA	1:92:D:THR:CA	10	0.69	0.0	0.69
(2,497)	1:92:A:THR:CA	1:92:B:THR:CA	10	0.69	0.0	0.69
(2,497)	1:92:B:THR:CA	1:92:C:THR:CA	10	0.69	0.0	0.69
(2,497)	1:92:D:THR:CA	1:92:E:THR:CA	10	0.69	0.0	0.69
(2,497)	1:92:C:THR:CA	1:92:D:THR:CA	10	0.69	0.0	0.69
(2,500)	1:92:A:THR:CA	1:92:B:THR:CA	10	0.69	0.0	0.69
(2,500)	1:92:B:THR:CA	1:92:C:THR:CA	10	0.69	0.0	0.69
(2,500)	1:92:D:THR:CA	1:92:E:THR:CA	10	0.69	0.0	0.69
(2,500)	1:92:C:THR:CA	1:92:D:THR:CA	10	0.69	0.0	0.69
(2,503)	1:92:A:THR:CA	1:92:B:THR:CA	10	0.69	0.0	0.69
(2,503)	1:92:B:THR:CA	1:92:C:THR:CA	10	0.69	0.0	0.69
(2,503)	1:92:D:THR:CA	1:92:E:THR:CA	10	0.69	0.0	0.69
(2,503)	1:92:C:THR:CA	1:92:D:THR:CA	10	0.69	0.0	0.69
(2,531)	1:96:C:LYS:N	1:96:D:LYS:N	10	0.69	0.0	0.69
(2,531)	1:96:B:LYS:N	1:96:C:LYS:N	10	0.69	0.0	0.69
(2,531)	1:96:D:LYS:N	1:96:E:LYS:N	10	0.69	0.0	0.69
(2,531)	1:96:A:LYS:N	1:96:B:LYS:N	10	0.69	0.0	0.69
(2,534)	1:96:C:LYS:N	1:96:D:LYS:N	10	0.69	0.0	0.69
(2,534)	1:96:B:LYS:N	1:96:C:LYS:N	10	0.69	0.0	0.69
(2,534)	1:96:D:LYS:N	1:96:E:LYS:N	10	0.69	0.0	0.69
(2,534)	1:96:A:LYS:N	1:96:B:LYS:N	10	0.69	0.0	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,537)	1:96:C:LYS:N	1:96:D:LYS:N	10	0.69	0.0	0.69
(2,537)	1:96:B:LYS:N	1:96:C:LYS:N	10	0.69	0.0	0.69
(2,537)	1:96:D:LYS:N	1:96:E:LYS:N	10	0.69	0.0	0.69
(2,537)	1:96:A:LYS:N	1:96:B:LYS:N	10	0.69	0.0	0.69
(2,540)	1:96:C:LYS:N	1:96:D:LYS:N	10	0.69	0.0	0.69
(2,540)	1:96:B:LYS:N	1:96:C:LYS:N	10	0.69	0.0	0.69
(2,540)	1:96:D:LYS:N	1:96:E:LYS:N	10	0.69	0.0	0.69
(2,540)	1:96:A:LYS:N	1:96:B:LYS:N	10	0.69	0.0	0.69
(2,1)	1:39:C:TYR:C	1:39:D:TYR:C	10	0.68	0.0	0.68
(2,1)	1:39:D:TYR:C	1:39:E:TYR:C	10	0.68	0.0	0.68
(2,1)	1:39:B:TYR:C	1:39:C:TYR:C	10	0.68	0.0	0.68
(2,3)	1:39:A:TYR:N	1:39:B:TYR:N	10	0.68	0.0	0.68
(2,3)	1:39:B:TYR:N	1:39:C:TYR:N	10	0.68	0.0	0.68
(2,3)	1:39:C:TYR:N	1:39:D:TYR:N	10	0.68	0.0	0.68
(2,3)	1:39:D:TYR:N	1:39:E:TYR:N	10	0.68	0.0	0.68
(2,4)	1:39:C:TYR:C	1:39:D:TYR:C	10	0.68	0.0	0.68
(2,4)	1:39:D:TYR:C	1:39:E:TYR:C	10	0.68	0.0	0.68
(2,4)	1:39:B:TYR:C	1:39:C:TYR:C	10	0.68	0.0	0.68
(2,6)	1:39:A:TYR:N	1:39:B:TYR:N	10	0.68	0.0	0.68
(2,6)	1:39:B:TYR:N	1:39:C:TYR:N	10	0.68	0.0	0.68
(2,6)	1:39:C:TYR:N	1:39:D:TYR:N	10	0.68	0.0	0.68
(2,6)	1:39:D:TYR:N	1:39:E:TYR:N	10	0.68	0.0	0.68
(2,7)	1:39:C:TYR:C	1:39:D:TYR:C	10	0.68	0.0	0.68
(2,7)	1:39:D:TYR:C	1:39:E:TYR:C	10	0.68	0.0	0.68
(2,7)	1:39:B:TYR:C	1:39:C:TYR:C	10	0.68	0.0	0.68
(2,9)	1:39:A:TYR:N	1:39:B:TYR:N	10	0.68	0.0	0.68
(2,9)	1:39:B:TYR:N	1:39:C:TYR:N	10	0.68	0.0	0.68
(2,9)	1:39:C:TYR:N	1:39:D:TYR:N	10	0.68	0.0	0.68
(2,9)	1:39:D:TYR:N	1:39:E:TYR:N	10	0.68	0.0	0.68
(2,10)	1:39:C:TYR:C	1:39:D:TYR:C	10	0.68	0.0	0.68
(2,10)	1:39:D:TYR:C	1:39:E:TYR:C	10	0.68	0.0	0.68
(2,10)	1:39:B:TYR:C	1:39:C:TYR:C	10	0.68	0.0	0.68
(2,12)	1:39:A:TYR:N	1:39:B:TYR:N	10	0.68	0.0	0.68
(2,12)	1:39:B:TYR:N	1:39:C:TYR:N	10	0.68	0.0	0.68
(2,12)	1:39:C:TYR:N	1:39:D:TYR:N	10	0.68	0.0	0.68
(2,12)	1:39:D:TYR:N	1:39:E:TYR:N	10	0.68	0.0	0.68
(2,15)	1:40:A:VAL:N	1:40:B:VAL:N	10	0.68	0.0	0.68
(2,15)	1:40:D:VAL:N	1:40:E:VAL:N	10	0.68	0.0	0.68
(2,15)	1:40:C:VAL:N	1:40:D:VAL:N	10	0.68	0.0	0.68
(2,18)	1:40:A:VAL:N	1:40:B:VAL:N	10	0.68	0.0	0.68
(2,18)	1:40:D:VAL:N	1:40:E:VAL:N	10	0.68	0.0	0.68
(2,18)	1:40:C:VAL:N	1:40:D:VAL:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,21)	1:40:A:VAL:N	1:40:B:VAL:N	10	0.68	0.0	0.68
(2,21)	1:40:D:VAL:N	1:40:E:VAL:N	10	0.68	0.0	0.68
(2,21)	1:40:C:VAL:N	1:40:D:VAL:N	10	0.68	0.0	0.68
(2,24)	1:40:A:VAL:N	1:40:B:VAL:N	10	0.68	0.0	0.68
(2,24)	1:40:D:VAL:N	1:40:E:VAL:N	10	0.68	0.0	0.68
(2,24)	1:40:C:VAL:N	1:40:D:VAL:N	10	0.68	0.0	0.68
(2,25)	1:41:C:GLY:C	1:41:D:GLY:C	10	0.68	0.0	0.68
(2,25)	1:41:B:GLY:C	1:41:C:GLY:C	10	0.68	0.0	0.68
(2,25)	1:41:A:GLY:C	1:41:B:GLY:C	10	0.68	0.0	0.68
(2,25)	1:41:D:GLY:C	1:41:E:GLY:C	10	0.68	0.0	0.68
(2,27)	1:41:B:GLY:N	1:41:C:GLY:N	10	0.68	0.0	0.68
(2,27)	1:41:A:GLY:N	1:41:B:GLY:N	10	0.68	0.0	0.68
(2,27)	1:41:C:GLY:N	1:41:D:GLY:N	10	0.68	0.0	0.68
(2,27)	1:41:D:GLY:N	1:41:E:GLY:N	10	0.68	0.0	0.68
(2,28)	1:41:C:GLY:C	1:41:D:GLY:C	10	0.68	0.0	0.68
(2,28)	1:41:B:GLY:C	1:41:C:GLY:C	10	0.68	0.0	0.68
(2,28)	1:41:A:GLY:C	1:41:B:GLY:C	10	0.68	0.0	0.68
(2,28)	1:41:D:GLY:C	1:41:E:GLY:C	10	0.68	0.0	0.68
(2,30)	1:41:B:GLY:N	1:41:C:GLY:N	10	0.68	0.0	0.68
(2,30)	1:41:A:GLY:N	1:41:B:GLY:N	10	0.68	0.0	0.68
(2,30)	1:41:C:GLY:N	1:41:D:GLY:N	10	0.68	0.0	0.68
(2,30)	1:41:D:GLY:N	1:41:E:GLY:N	10	0.68	0.0	0.68
(2,31)	1:41:C:GLY:C	1:41:D:GLY:C	10	0.68	0.0	0.68
(2,31)	1:41:B:GLY:C	1:41:C:GLY:C	10	0.68	0.0	0.68
(2,31)	1:41:A:GLY:C	1:41:B:GLY:C	10	0.68	0.0	0.68
(2,31)	1:41:D:GLY:C	1:41:E:GLY:C	10	0.68	0.0	0.68
(2,33)	1:41:B:GLY:N	1:41:C:GLY:N	10	0.68	0.0	0.68
(2,33)	1:41:A:GLY:N	1:41:B:GLY:N	10	0.68	0.0	0.68
(2,33)	1:41:C:GLY:N	1:41:D:GLY:N	10	0.68	0.0	0.68
(2,33)	1:41:D:GLY:N	1:41:E:GLY:N	10	0.68	0.0	0.68
(2,34)	1:41:C:GLY:C	1:41:D:GLY:C	10	0.68	0.0	0.68
(2,34)	1:41:B:GLY:C	1:41:C:GLY:C	10	0.68	0.0	0.68
(2,34)	1:41:A:GLY:C	1:41:B:GLY:C	10	0.68	0.0	0.68
(2,34)	1:41:D:GLY:C	1:41:E:GLY:C	10	0.68	0.0	0.68
(2,36)	1:41:B:GLY:N	1:41:C:GLY:N	10	0.68	0.0	0.68
(2,36)	1:41:A:GLY:N	1:41:B:GLY:N	10	0.68	0.0	0.68
(2,36)	1:41:C:GLY:N	1:41:D:GLY:N	10	0.68	0.0	0.68
(2,36)	1:41:D:GLY:N	1:41:E:GLY:N	10	0.68	0.0	0.68
(2,37)	1:43:C:LYS:C	1:43:D:LYS:C	10	0.68	0.0	0.68
(2,37)	1:43:B:LYS:C	1:43:C:LYS:C	10	0.68	0.0	0.68
(2,37)	1:43:D:LYS:C	1:43:E:LYS:C	10	0.68	0.0	0.68
(2,37)	1:43:A:LYS:C	1:43:B:LYS:C	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,38)	1:43:C:LYS:CA	1:43:D:LYS:CA	10	0.68	0.0	0.68
(2,38)	1:43:A:LYS:CA	1:43:B:LYS:CA	10	0.68	0.0	0.68
(2,38)	1:43:B:LYS:CA	1:43:C:LYS:CA	10	0.68	0.0	0.68
(2,38)	1:43:D:LYS:CA	1:43:E:LYS:CA	10	0.68	0.0	0.68
(2,40)	1:43:C:LYS:C	1:43:D:LYS:C	10	0.68	0.0	0.68
(2,40)	1:43:B:LYS:C	1:43:C:LYS:C	10	0.68	0.0	0.68
(2,40)	1:43:D:LYS:C	1:43:E:LYS:C	10	0.68	0.0	0.68
(2,40)	1:43:A:LYS:C	1:43:B:LYS:C	10	0.68	0.0	0.68
(2,41)	1:43:C:LYS:CA	1:43:D:LYS:CA	10	0.68	0.0	0.68
(2,41)	1:43:A:LYS:CA	1:43:B:LYS:CA	10	0.68	0.0	0.68
(2,41)	1:43:B:LYS:CA	1:43:C:LYS:CA	10	0.68	0.0	0.68
(2,41)	1:43:D:LYS:CA	1:43:E:LYS:CA	10	0.68	0.0	0.68
(2,43)	1:43:C:LYS:C	1:43:D:LYS:C	10	0.68	0.0	0.68
(2,43)	1:43:B:LYS:C	1:43:C:LYS:C	10	0.68	0.0	0.68
(2,43)	1:43:D:LYS:C	1:43:E:LYS:C	10	0.68	0.0	0.68
(2,43)	1:43:A:LYS:C	1:43:B:LYS:C	10	0.68	0.0	0.68
(2,44)	1:43:C:LYS:CA	1:43:D:LYS:CA	10	0.68	0.0	0.68
(2,44)	1:43:A:LYS:CA	1:43:B:LYS:CA	10	0.68	0.0	0.68
(2,44)	1:43:B:LYS:CA	1:43:C:LYS:CA	10	0.68	0.0	0.68
(2,44)	1:43:D:LYS:CA	1:43:E:LYS:CA	10	0.68	0.0	0.68
(2,46)	1:43:C:LYS:C	1:43:D:LYS:C	10	0.68	0.0	0.68
(2,46)	1:43:B:LYS:C	1:43:C:LYS:C	10	0.68	0.0	0.68
(2,46)	1:43:D:LYS:C	1:43:E:LYS:C	10	0.68	0.0	0.68
(2,46)	1:43:A:LYS:C	1:43:B:LYS:C	10	0.68	0.0	0.68
(2,47)	1:43:C:LYS:CA	1:43:D:LYS:CA	10	0.68	0.0	0.68
(2,47)	1:43:A:LYS:CA	1:43:B:LYS:CA	10	0.68	0.0	0.68
(2,47)	1:43:B:LYS:CA	1:43:C:LYS:CA	10	0.68	0.0	0.68
(2,47)	1:43:D:LYS:CA	1:43:E:LYS:CA	10	0.68	0.0	0.68
(2,62)	1:45:A:LYS:CA	1:45:B:LYS:CA	10	0.68	0.0	0.68
(2,62)	1:45:C:LYS:CA	1:45:D:LYS:CA	10	0.68	0.0	0.68
(2,62)	1:45:D:LYS:CA	1:45:E:LYS:CA	10	0.68	0.0	0.68
(2,63)	1:45:C:LYS:N	1:45:D:LYS:N	10	0.68	0.0	0.68
(2,63)	1:45:B:LYS:N	1:45:C:LYS:N	10	0.68	0.0	0.68
(2,63)	1:45:A:LYS:N	1:45:B:LYS:N	10	0.68	0.0	0.68
(2,63)	1:45:D:LYS:N	1:45:E:LYS:N	10	0.68	0.0	0.68
(2,65)	1:45:A:LYS:CA	1:45:B:LYS:CA	10	0.68	0.0	0.68
(2,65)	1:45:C:LYS:CA	1:45:D:LYS:CA	10	0.68	0.0	0.68
(2,65)	1:45:D:LYS:CA	1:45:E:LYS:CA	10	0.68	0.0	0.68
(2,66)	1:45:C:LYS:N	1:45:D:LYS:N	10	0.68	0.0	0.68
(2,66)	1:45:B:LYS:N	1:45:C:LYS:N	10	0.68	0.0	0.68
(2,66)	1:45:A:LYS:N	1:45:B:LYS:N	10	0.68	0.0	0.68
(2,66)	1:45:D:LYS:N	1:45:E:LYS:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,68)	1:45:A:LYS:CA	1:45:B:LYS:CA	10	0.68	0.0	0.68
(2,68)	1:45:C:LYS:CA	1:45:D:LYS:CA	10	0.68	0.0	0.68
(2,68)	1:45:D:LYS:CA	1:45:E:LYS:CA	10	0.68	0.0	0.68
(2,69)	1:45:C:LYS:N	1:45:D:LYS:N	10	0.68	0.0	0.68
(2,69)	1:45:B:LYS:N	1:45:C:LYS:N	10	0.68	0.0	0.68
(2,69)	1:45:A:LYS:N	1:45:B:LYS:N	10	0.68	0.0	0.68
(2,69)	1:45:D:LYS:N	1:45:E:LYS:N	10	0.68	0.0	0.68
(2,71)	1:45:A:LYS:CA	1:45:B:LYS:CA	10	0.68	0.0	0.68
(2,71)	1:45:C:LYS:CA	1:45:D:LYS:CA	10	0.68	0.0	0.68
(2,71)	1:45:D:LYS:CA	1:45:E:LYS:CA	10	0.68	0.0	0.68
(2,72)	1:45:C:LYS:N	1:45:D:LYS:N	10	0.68	0.0	0.68
(2,72)	1:45:B:LYS:N	1:45:C:LYS:N	10	0.68	0.0	0.68
(2,72)	1:45:A:LYS:N	1:45:B:LYS:N	10	0.68	0.0	0.68
(2,72)	1:45:D:LYS:N	1:45:E:LYS:N	10	0.68	0.0	0.68
(2,87)	1:48:D:VAL:N	1:48:E:VAL:N	10	0.68	0.0	0.68
(2,87)	1:48:A:VAL:N	1:48:B:VAL:N	10	0.68	0.0	0.68
(2,87)	1:48:B:VAL:N	1:48:C:VAL:N	10	0.68	0.0	0.68
(2,87)	1:48:C:VAL:N	1:48:D:VAL:N	10	0.68	0.0	0.68
(2,90)	1:48:D:VAL:N	1:48:E:VAL:N	10	0.68	0.0	0.68
(2,90)	1:48:A:VAL:N	1:48:B:VAL:N	10	0.68	0.0	0.68
(2,90)	1:48:B:VAL:N	1:48:C:VAL:N	10	0.68	0.0	0.68
(2,90)	1:48:C:VAL:N	1:48:D:VAL:N	10	0.68	0.0	0.68
(2,93)	1:48:D:VAL:N	1:48:E:VAL:N	10	0.68	0.0	0.68
(2,93)	1:48:A:VAL:N	1:48:B:VAL:N	10	0.68	0.0	0.68
(2,93)	1:48:B:VAL:N	1:48:C:VAL:N	10	0.68	0.0	0.68
(2,93)	1:48:C:VAL:N	1:48:D:VAL:N	10	0.68	0.0	0.68
(2,96)	1:48:D:VAL:N	1:48:E:VAL:N	10	0.68	0.0	0.68
(2,96)	1:48:A:VAL:N	1:48:B:VAL:N	10	0.68	0.0	0.68
(2,96)	1:48:B:VAL:N	1:48:C:VAL:N	10	0.68	0.0	0.68
(2,96)	1:48:C:VAL:N	1:48:D:VAL:N	10	0.68	0.0	0.68
(2,109)	1:50:C:HIS:C	1:50:D:HIS:C	10	0.68	0.0	0.68
(2,109)	1:50:A:HIS:C	1:50:B:HIS:C	10	0.68	0.0	0.68
(2,109)	1:50:D:HIS:C	1:50:E:HIS:C	10	0.68	0.0	0.68
(2,109)	1:50:B:HIS:C	1:50:C:HIS:C	10	0.68	0.0	0.68
(2,110)	1:50:C:HIS:CA	1:50:D:HIS:CA	10	0.68	0.0	0.68
(2,110)	1:50:B:HIS:CA	1:50:C:HIS:CA	10	0.68	0.0	0.68
(2,110)	1:50:D:HIS:CA	1:50:E:HIS:CA	10	0.68	0.0	0.68
(2,110)	1:50:A:HIS:CA	1:50:B:HIS:CA	10	0.68	0.0	0.68
(2,112)	1:50:C:HIS:C	1:50:D:HIS:C	10	0.68	0.0	0.68
(2,112)	1:50:A:HIS:C	1:50:B:HIS:C	10	0.68	0.0	0.68
(2,112)	1:50:D:HIS:C	1:50:E:HIS:C	10	0.68	0.0	0.68
(2,112)	1:50:B:HIS:C	1:50:C:HIS:C	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,113)	1:50:C:HIS:CA	1:50:D:HIS:CA	10	0.68	0.0	0.68
(2,113)	1:50:B:HIS:CA	1:50:C:HIS:CA	10	0.68	0.0	0.68
(2,113)	1:50:D:HIS:CA	1:50:E:HIS:CA	10	0.68	0.0	0.68
(2,113)	1:50:A:HIS:CA	1:50:B:HIS:CA	10	0.68	0.0	0.68
(2,115)	1:50:C:HIS:C	1:50:D:HIS:C	10	0.68	0.0	0.68
(2,115)	1:50:A:HIS:C	1:50:B:HIS:C	10	0.68	0.0	0.68
(2,115)	1:50:D:HIS:C	1:50:E:HIS:C	10	0.68	0.0	0.68
(2,115)	1:50:B:HIS:C	1:50:C:HIS:C	10	0.68	0.0	0.68
(2,116)	1:50:C:HIS:CA	1:50:D:HIS:CA	10	0.68	0.0	0.68
(2,116)	1:50:B:HIS:CA	1:50:C:HIS:CA	10	0.68	0.0	0.68
(2,116)	1:50:D:HIS:CA	1:50:E:HIS:CA	10	0.68	0.0	0.68
(2,116)	1:50:A:HIS:CA	1:50:B:HIS:CA	10	0.68	0.0	0.68
(2,118)	1:50:C:HIS:C	1:50:D:HIS:C	10	0.68	0.0	0.68
(2,118)	1:50:A:HIS:C	1:50:B:HIS:C	10	0.68	0.0	0.68
(2,118)	1:50:D:HIS:C	1:50:E:HIS:C	10	0.68	0.0	0.68
(2,118)	1:50:B:HIS:C	1:50:C:HIS:C	10	0.68	0.0	0.68
(2,119)	1:50:C:HIS:CA	1:50:D:HIS:CA	10	0.68	0.0	0.68
(2,119)	1:50:B:HIS:CA	1:50:C:HIS:CA	10	0.68	0.0	0.68
(2,119)	1:50:D:HIS:CA	1:50:E:HIS:CA	10	0.68	0.0	0.68
(2,119)	1:50:A:HIS:CA	1:50:B:HIS:CA	10	0.68	0.0	0.68
(2,122)	1:52:D:VAL:CA	1:52:E:VAL:CA	10	0.68	0.0	0.68
(2,122)	1:52:A:VAL:CA	1:52:B:VAL:CA	10	0.68	0.0	0.68
(2,122)	1:52:C:VAL:CA	1:52:D:VAL:CA	10	0.68	0.0	0.68
(2,125)	1:52:D:VAL:CA	1:52:E:VAL:CA	10	0.68	0.0	0.68
(2,125)	1:52:A:VAL:CA	1:52:B:VAL:CA	10	0.68	0.0	0.68
(2,125)	1:52:C:VAL:CA	1:52:D:VAL:CA	10	0.68	0.0	0.68
(2,128)	1:52:D:VAL:CA	1:52:E:VAL:CA	10	0.68	0.0	0.68
(2,128)	1:52:A:VAL:CA	1:52:B:VAL:CA	10	0.68	0.0	0.68
(2,128)	1:52:C:VAL:CA	1:52:D:VAL:CA	10	0.68	0.0	0.68
(2,131)	1:52:D:VAL:CA	1:52:E:VAL:CA	10	0.68	0.0	0.68
(2,131)	1:52:A:VAL:CA	1:52:B:VAL:CA	10	0.68	0.0	0.68
(2,131)	1:52:C:VAL:CA	1:52:D:VAL:CA	10	0.68	0.0	0.68
(2,133)	1:53:D:ALA:C	1:53:E:ALA:C	10	0.68	0.0	0.68
(2,133)	1:53:B:ALA:C	1:53:C:ALA:C	10	0.68	0.0	0.68
(2,133)	1:53:A:ALA:C	1:53:B:ALA:C	10	0.68	0.0	0.68
(2,133)	1:53:C:ALA:C	1:53:D:ALA:C	10	0.68	0.0	0.68
(2,136)	1:53:D:ALA:C	1:53:E:ALA:C	10	0.68	0.0	0.68
(2,136)	1:53:B:ALA:C	1:53:C:ALA:C	10	0.68	0.0	0.68
(2,136)	1:53:A:ALA:C	1:53:B:ALA:C	10	0.68	0.0	0.68
(2,136)	1:53:C:ALA:C	1:53:D:ALA:C	10	0.68	0.0	0.68
(2,139)	1:53:D:ALA:C	1:53:E:ALA:C	10	0.68	0.0	0.68
(2,139)	1:53:B:ALA:C	1:53:C:ALA:C	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,139)	1:53:A:ALA:C	1:53:B:ALA:C	10	0.68	0.0	0.68
(2,139)	1:53:C:ALA:C	1:53:D:ALA:C	10	0.68	0.0	0.68
(2,142)	1:53:D:ALA:C	1:53:E:ALA:C	10	0.68	0.0	0.68
(2,142)	1:53:B:ALA:C	1:53:C:ALA:C	10	0.68	0.0	0.68
(2,142)	1:53:A:ALA:C	1:53:B:ALA:C	10	0.68	0.0	0.68
(2,142)	1:53:C:ALA:C	1:53:D:ALA:C	10	0.68	0.0	0.68
(2,145)	1:54:D:THR:C	1:54:E:THR:C	10	0.68	0.0	0.68
(2,145)	1:54:B:THR:C	1:54:C:THR:C	10	0.68	0.0	0.68
(2,145)	1:54:C:THR:C	1:54:D:THR:C	10	0.68	0.0	0.68
(2,145)	1:54:A:THR:C	1:54:B:THR:C	10	0.68	0.0	0.68
(2,146)	1:54:D:THR:CA	1:54:E:THR:CA	10	0.68	0.0	0.68
(2,146)	1:54:C:THR:CA	1:54:D:THR:CA	10	0.68	0.0	0.68
(2,146)	1:54:B:THR:CA	1:54:C:THR:CA	10	0.68	0.0	0.68
(2,146)	1:54:A:THR:CA	1:54:B:THR:CA	10	0.68	0.0	0.68
(2,148)	1:54:D:THR:C	1:54:E:THR:C	10	0.68	0.0	0.68
(2,148)	1:54:B:THR:C	1:54:C:THR:C	10	0.68	0.0	0.68
(2,148)	1:54:C:THR:C	1:54:D:THR:C	10	0.68	0.0	0.68
(2,148)	1:54:A:THR:C	1:54:B:THR:C	10	0.68	0.0	0.68
(2,149)	1:54:D:THR:CA	1:54:E:THR:CA	10	0.68	0.0	0.68
(2,149)	1:54:C:THR:CA	1:54:D:THR:CA	10	0.68	0.0	0.68
(2,149)	1:54:B:THR:CA	1:54:C:THR:CA	10	0.68	0.0	0.68
(2,149)	1:54:A:THR:CA	1:54:B:THR:CA	10	0.68	0.0	0.68
(2,151)	1:54:D:THR:C	1:54:E:THR:C	10	0.68	0.0	0.68
(2,151)	1:54:B:THR:C	1:54:C:THR:C	10	0.68	0.0	0.68
(2,151)	1:54:C:THR:C	1:54:D:THR:C	10	0.68	0.0	0.68
(2,151)	1:54:A:THR:C	1:54:B:THR:C	10	0.68	0.0	0.68
(2,152)	1:54:D:THR:CA	1:54:E:THR:CA	10	0.68	0.0	0.68
(2,152)	1:54:C:THR:CA	1:54:D:THR:CA	10	0.68	0.0	0.68
(2,152)	1:54:B:THR:CA	1:54:C:THR:CA	10	0.68	0.0	0.68
(2,152)	1:54:A:THR:CA	1:54:B:THR:CA	10	0.68	0.0	0.68
(2,154)	1:54:D:THR:C	1:54:E:THR:C	10	0.68	0.0	0.68
(2,154)	1:54:B:THR:C	1:54:C:THR:C	10	0.68	0.0	0.68
(2,154)	1:54:C:THR:C	1:54:D:THR:C	10	0.68	0.0	0.68
(2,154)	1:54:A:THR:C	1:54:B:THR:C	10	0.68	0.0	0.68
(2,155)	1:54:D:THR:CA	1:54:E:THR:CA	10	0.68	0.0	0.68
(2,155)	1:54:C:THR:CA	1:54:D:THR:CA	10	0.68	0.0	0.68
(2,155)	1:54:B:THR:CA	1:54:C:THR:CA	10	0.68	0.0	0.68
(2,155)	1:54:A:THR:CA	1:54:B:THR:CA	10	0.68	0.0	0.68
(2,158)	1:55:C:VAL:CA	1:55:D:VAL:CA	10	0.68	0.0	0.68
(2,158)	1:55:A:VAL:CA	1:55:B:VAL:CA	10	0.68	0.0	0.68
(2,158)	1:55:B:VAL:CA	1:55:C:VAL:CA	10	0.68	0.0	0.68
(2,158)	1:55:D:VAL:CA	1:55:E:VAL:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,159)	1:55:C:VAL:N	1:55:D:VAL:N	10	0.68	0.0	0.68
(2,159)	1:55:B:VAL:N	1:55:C:VAL:N	10	0.68	0.0	0.68
(2,159)	1:55:D:VAL:N	1:55:E:VAL:N	10	0.68	0.0	0.68
(2,159)	1:55:A:VAL:N	1:55:B:VAL:N	10	0.68	0.0	0.68
(2,161)	1:55:C:VAL:CA	1:55:D:VAL:CA	10	0.68	0.0	0.68
(2,161)	1:55:A:VAL:CA	1:55:B:VAL:CA	10	0.68	0.0	0.68
(2,161)	1:55:B:VAL:CA	1:55:C:VAL:CA	10	0.68	0.0	0.68
(2,161)	1:55:D:VAL:CA	1:55:E:VAL:CA	10	0.68	0.0	0.68
(2,162)	1:55:C:VAL:N	1:55:D:VAL:N	10	0.68	0.0	0.68
(2,162)	1:55:B:VAL:N	1:55:C:VAL:N	10	0.68	0.0	0.68
(2,162)	1:55:D:VAL:N	1:55:E:VAL:N	10	0.68	0.0	0.68
(2,162)	1:55:A:VAL:N	1:55:B:VAL:N	10	0.68	0.0	0.68
(2,164)	1:55:C:VAL:CA	1:55:D:VAL:CA	10	0.68	0.0	0.68
(2,164)	1:55:A:VAL:CA	1:55:B:VAL:CA	10	0.68	0.0	0.68
(2,164)	1:55:B:VAL:CA	1:55:C:VAL:CA	10	0.68	0.0	0.68
(2,164)	1:55:D:VAL:CA	1:55:E:VAL:CA	10	0.68	0.0	0.68
(2,165)	1:55:C:VAL:N	1:55:D:VAL:N	10	0.68	0.0	0.68
(2,165)	1:55:B:VAL:N	1:55:C:VAL:N	10	0.68	0.0	0.68
(2,165)	1:55:D:VAL:N	1:55:E:VAL:N	10	0.68	0.0	0.68
(2,165)	1:55:A:VAL:N	1:55:B:VAL:N	10	0.68	0.0	0.68
(2,167)	1:55:C:VAL:CA	1:55:D:VAL:CA	10	0.68	0.0	0.68
(2,167)	1:55:A:VAL:CA	1:55:B:VAL:CA	10	0.68	0.0	0.68
(2,167)	1:55:B:VAL:CA	1:55:C:VAL:CA	10	0.68	0.0	0.68
(2,167)	1:55:D:VAL:CA	1:55:E:VAL:CA	10	0.68	0.0	0.68
(2,168)	1:55:C:VAL:N	1:55:D:VAL:N	10	0.68	0.0	0.68
(2,168)	1:55:B:VAL:N	1:55:C:VAL:N	10	0.68	0.0	0.68
(2,168)	1:55:D:VAL:N	1:55:E:VAL:N	10	0.68	0.0	0.68
(2,168)	1:55:A:VAL:N	1:55:B:VAL:N	10	0.68	0.0	0.68
(2,170)	1:56:B:ALA:CA	1:56:C:ALA:CA	10	0.68	0.0	0.68
(2,170)	1:56:D:ALA:CA	1:56:E:ALA:CA	10	0.68	0.0	0.68
(2,170)	1:56:A:ALA:CA	1:56:B:ALA:CA	10	0.68	0.0	0.68
(2,170)	1:56:C:ALA:CA	1:56:D:ALA:CA	10	0.68	0.0	0.68
(2,173)	1:56:B:ALA:CA	1:56:C:ALA:CA	10	0.68	0.0	0.68
(2,173)	1:56:D:ALA:CA	1:56:E:ALA:CA	10	0.68	0.0	0.68
(2,173)	1:56:A:ALA:CA	1:56:B:ALA:CA	10	0.68	0.0	0.68
(2,173)	1:56:C:ALA:CA	1:56:D:ALA:CA	10	0.68	0.0	0.68
(2,176)	1:56:B:ALA:CA	1:56:C:ALA:CA	10	0.68	0.0	0.68
(2,176)	1:56:D:ALA:CA	1:56:E:ALA:CA	10	0.68	0.0	0.68
(2,176)	1:56:A:ALA:CA	1:56:B:ALA:CA	10	0.68	0.0	0.68
(2,176)	1:56:C:ALA:CA	1:56:D:ALA:CA	10	0.68	0.0	0.68
(2,179)	1:56:B:ALA:CA	1:56:C:ALA:CA	10	0.68	0.0	0.68
(2,179)	1:56:D:ALA:CA	1:56:E:ALA:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,179)	1:56:A:ALA:CA	1:56:B:ALA:CA	10	0.68	0.0	0.68
(2,179)	1:56:C:ALA:CA	1:56:D:ALA:CA	10	0.68	0.0	0.68
(2,182)	1:57:A:GLU:CA	1:57:B:GLU:CA	10	0.68	0.0	0.68
(2,182)	1:57:C:GLU:CA	1:57:D:GLU:CA	10	0.68	0.0	0.68
(2,182)	1:57:B:GLU:CA	1:57:C:GLU:CA	10	0.68	0.0	0.68
(2,185)	1:57:A:GLU:CA	1:57:B:GLU:CA	10	0.68	0.0	0.68
(2,185)	1:57:C:GLU:CA	1:57:D:GLU:CA	10	0.68	0.0	0.68
(2,185)	1:57:B:GLU:CA	1:57:C:GLU:CA	10	0.68	0.0	0.68
(2,188)	1:57:A:GLU:CA	1:57:B:GLU:CA	10	0.68	0.0	0.68
(2,188)	1:57:C:GLU:CA	1:57:D:GLU:CA	10	0.68	0.0	0.68
(2,188)	1:57:B:GLU:CA	1:57:C:GLU:CA	10	0.68	0.0	0.68
(2,191)	1:57:A:GLU:CA	1:57:B:GLU:CA	10	0.68	0.0	0.68
(2,191)	1:57:C:GLU:CA	1:57:D:GLU:CA	10	0.68	0.0	0.68
(2,191)	1:57:B:GLU:CA	1:57:C:GLU:CA	10	0.68	0.0	0.68
(2,194)	1:58:C:LYS:CA	1:58:D:LYS:CA	10	0.68	0.0	0.68
(2,194)	1:58:B:LYS:CA	1:58:C:LYS:CA	10	0.68	0.0	0.68
(2,194)	1:58:A:LYS:CA	1:58:B:LYS:CA	10	0.68	0.0	0.68
(2,194)	1:58:D:LYS:CA	1:58:E:LYS:CA	10	0.68	0.0	0.68
(2,195)	1:58:D:LYS:N	1:58:E:LYS:N	10	0.68	0.0	0.68
(2,195)	1:58:C:LYS:N	1:58:D:LYS:N	10	0.68	0.0	0.68
(2,195)	1:58:B:LYS:N	1:58:C:LYS:N	10	0.68	0.0	0.68
(2,195)	1:58:A:LYS:N	1:58:B:LYS:N	10	0.68	0.0	0.68
(2,197)	1:58:C:LYS:CA	1:58:D:LYS:CA	10	0.68	0.0	0.68
(2,197)	1:58:B:LYS:CA	1:58:C:LYS:CA	10	0.68	0.0	0.68
(2,197)	1:58:A:LYS:CA	1:58:B:LYS:CA	10	0.68	0.0	0.68
(2,197)	1:58:D:LYS:CA	1:58:E:LYS:CA	10	0.68	0.0	0.68
(2,198)	1:58:D:LYS:N	1:58:E:LYS:N	10	0.68	0.0	0.68
(2,198)	1:58:C:LYS:N	1:58:D:LYS:N	10	0.68	0.0	0.68
(2,198)	1:58:B:LYS:N	1:58:C:LYS:N	10	0.68	0.0	0.68
(2,198)	1:58:A:LYS:N	1:58:B:LYS:N	10	0.68	0.0	0.68
(2,200)	1:58:C:LYS:CA	1:58:D:LYS:CA	10	0.68	0.0	0.68
(2,200)	1:58:B:LYS:CA	1:58:C:LYS:CA	10	0.68	0.0	0.68
(2,200)	1:58:A:LYS:CA	1:58:B:LYS:CA	10	0.68	0.0	0.68
(2,200)	1:58:D:LYS:CA	1:58:E:LYS:CA	10	0.68	0.0	0.68
(2,201)	1:58:D:LYS:N	1:58:E:LYS:N	10	0.68	0.0	0.68
(2,201)	1:58:C:LYS:N	1:58:D:LYS:N	10	0.68	0.0	0.68
(2,201)	1:58:B:LYS:N	1:58:C:LYS:N	10	0.68	0.0	0.68
(2,201)	1:58:A:LYS:N	1:58:B:LYS:N	10	0.68	0.0	0.68
(2,203)	1:58:C:LYS:CA	1:58:D:LYS:CA	10	0.68	0.0	0.68
(2,203)	1:58:B:LYS:CA	1:58:C:LYS:CA	10	0.68	0.0	0.68
(2,203)	1:58:A:LYS:CA	1:58:B:LYS:CA	10	0.68	0.0	0.68
(2,203)	1:58:D:LYS:CA	1:58:E:LYS:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,204)	1:58:D:LYS:N	1:58:E:LYS:N	10	0.68	0.0	0.68
(2,204)	1:58:C:LYS:N	1:58:D:LYS:N	10	0.68	0.0	0.68
(2,204)	1:58:B:LYS:N	1:58:C:LYS:N	10	0.68	0.0	0.68
(2,204)	1:58:A:LYS:N	1:58:B:LYS:N	10	0.68	0.0	0.68
(2,205)	1:59:D:THR:C	1:59:E:THR:C	10	0.68	0.0	0.68
(2,205)	1:59:C:THR:C	1:59:D:THR:C	10	0.68	0.0	0.68
(2,205)	1:59:A:THR:C	1:59:B:THR:C	10	0.68	0.0	0.68
(2,207)	1:59:B:THR:N	1:59:C:THR:N	10	0.68	0.0	0.68
(2,207)	1:59:C:THR:N	1:59:D:THR:N	10	0.68	0.0	0.68
(2,207)	1:59:A:THR:N	1:59:B:THR:N	10	0.68	0.0	0.68
(2,207)	1:59:D:THR:N	1:59:E:THR:N	10	0.68	0.0	0.68
(2,208)	1:59:D:THR:C	1:59:E:THR:C	10	0.68	0.0	0.68
(2,208)	1:59:C:THR:C	1:59:D:THR:C	10	0.68	0.0	0.68
(2,208)	1:59:A:THR:C	1:59:B:THR:C	10	0.68	0.0	0.68
(2,210)	1:59:B:THR:N	1:59:C:THR:N	10	0.68	0.0	0.68
(2,210)	1:59:C:THR:N	1:59:D:THR:N	10	0.68	0.0	0.68
(2,210)	1:59:A:THR:N	1:59:B:THR:N	10	0.68	0.0	0.68
(2,210)	1:59:D:THR:N	1:59:E:THR:N	10	0.68	0.0	0.68
(2,211)	1:59:D:THR:C	1:59:E:THR:C	10	0.68	0.0	0.68
(2,211)	1:59:C:THR:C	1:59:D:THR:C	10	0.68	0.0	0.68
(2,211)	1:59:A:THR:C	1:59:B:THR:C	10	0.68	0.0	0.68
(2,213)	1:59:B:THR:N	1:59:C:THR:N	10	0.68	0.0	0.68
(2,213)	1:59:C:THR:N	1:59:D:THR:N	10	0.68	0.0	0.68
(2,213)	1:59:A:THR:N	1:59:B:THR:N	10	0.68	0.0	0.68
(2,213)	1:59:D:THR:N	1:59:E:THR:N	10	0.68	0.0	0.68
(2,214)	1:59:D:THR:C	1:59:E:THR:C	10	0.68	0.0	0.68
(2,214)	1:59:C:THR:C	1:59:D:THR:C	10	0.68	0.0	0.68
(2,214)	1:59:A:THR:C	1:59:B:THR:C	10	0.68	0.0	0.68
(2,216)	1:59:B:THR:N	1:59:C:THR:N	10	0.68	0.0	0.68
(2,216)	1:59:C:THR:N	1:59:D:THR:N	10	0.68	0.0	0.68
(2,216)	1:59:A:THR:N	1:59:B:THR:N	10	0.68	0.0	0.68
(2,216)	1:59:D:THR:N	1:59:E:THR:N	10	0.68	0.0	0.68
(2,217)	1:60:C:LYS:C	1:60:D:LYS:C	10	0.68	0.0	0.68
(2,217)	1:60:D:LYS:C	1:60:E:LYS:C	10	0.68	0.0	0.68
(2,217)	1:60:B:LYS:C	1:60:C:LYS:C	10	0.68	0.0	0.68
(2,217)	1:60:A:LYS:C	1:60:B:LYS:C	10	0.68	0.0	0.68
(2,218)	1:60:B:LYS:CA	1:60:C:LYS:CA	10	0.68	0.0	0.68
(2,218)	1:60:A:LYS:CA	1:60:B:LYS:CA	10	0.68	0.0	0.68
(2,218)	1:60:D:LYS:CA	1:60:E:LYS:CA	10	0.68	0.0	0.68
(2,218)	1:60:C:LYS:CA	1:60:D:LYS:CA	10	0.68	0.0	0.68
(2,219)	1:60:D:LYS:N	1:60:E:LYS:N	10	0.68	0.0	0.68
(2,219)	1:60:B:LYS:N	1:60:C:LYS:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,219)	1:60:A:LYS:N	1:60:B:LYS:N	10	0.68	0.0	0.68
(2,220)	1:60:C:LYS:C	1:60:D:LYS:C	10	0.68	0.0	0.68
(2,220)	1:60:D:LYS:C	1:60:E:LYS:C	10	0.68	0.0	0.68
(2,220)	1:60:B:LYS:C	1:60:C:LYS:C	10	0.68	0.0	0.68
(2,220)	1:60:A:LYS:C	1:60:B:LYS:C	10	0.68	0.0	0.68
(2,221)	1:60:B:LYS:CA	1:60:C:LYS:CA	10	0.68	0.0	0.68
(2,221)	1:60:A:LYS:CA	1:60:B:LYS:CA	10	0.68	0.0	0.68
(2,221)	1:60:D:LYS:CA	1:60:E:LYS:CA	10	0.68	0.0	0.68
(2,221)	1:60:C:LYS:CA	1:60:D:LYS:CA	10	0.68	0.0	0.68
(2,222)	1:60:D:LYS:N	1:60:E:LYS:N	10	0.68	0.0	0.68
(2,222)	1:60:B:LYS:N	1:60:C:LYS:N	10	0.68	0.0	0.68
(2,222)	1:60:A:LYS:N	1:60:B:LYS:N	10	0.68	0.0	0.68
(2,223)	1:60:C:LYS:C	1:60:D:LYS:C	10	0.68	0.0	0.68
(2,223)	1:60:D:LYS:C	1:60:E:LYS:C	10	0.68	0.0	0.68
(2,223)	1:60:B:LYS:C	1:60:C:LYS:C	10	0.68	0.0	0.68
(2,223)	1:60:A:LYS:C	1:60:B:LYS:C	10	0.68	0.0	0.68
(2,224)	1:60:B:LYS:CA	1:60:C:LYS:CA	10	0.68	0.0	0.68
(2,224)	1:60:A:LYS:CA	1:60:B:LYS:CA	10	0.68	0.0	0.68
(2,224)	1:60:D:LYS:CA	1:60:E:LYS:CA	10	0.68	0.0	0.68
(2,224)	1:60:C:LYS:CA	1:60:D:LYS:CA	10	0.68	0.0	0.68
(2,225)	1:60:D:LYS:N	1:60:E:LYS:N	10	0.68	0.0	0.68
(2,225)	1:60:B:LYS:N	1:60:C:LYS:N	10	0.68	0.0	0.68
(2,225)	1:60:A:LYS:N	1:60:B:LYS:N	10	0.68	0.0	0.68
(2,226)	1:60:C:LYS:C	1:60:D:LYS:C	10	0.68	0.0	0.68
(2,226)	1:60:D:LYS:C	1:60:E:LYS:C	10	0.68	0.0	0.68
(2,226)	1:60:B:LYS:C	1:60:C:LYS:C	10	0.68	0.0	0.68
(2,226)	1:60:A:LYS:C	1:60:B:LYS:C	10	0.68	0.0	0.68
(2,227)	1:60:B:LYS:CA	1:60:C:LYS:CA	10	0.68	0.0	0.68
(2,227)	1:60:A:LYS:CA	1:60:B:LYS:CA	10	0.68	0.0	0.68
(2,227)	1:60:D:LYS:CA	1:60:E:LYS:CA	10	0.68	0.0	0.68
(2,227)	1:60:C:LYS:CA	1:60:D:LYS:CA	10	0.68	0.0	0.68
(2,228)	1:60:D:LYS:N	1:60:E:LYS:N	10	0.68	0.0	0.68
(2,228)	1:60:B:LYS:N	1:60:C:LYS:N	10	0.68	0.0	0.68
(2,228)	1:60:A:LYS:N	1:60:B:LYS:N	10	0.68	0.0	0.68
(2,230)	1:61:A:GLU:CA	1:61:B:GLU:CA	10	0.68	0.0	0.68
(2,230)	1:61:B:GLU:CA	1:61:C:GLU:CA	10	0.68	0.0	0.68
(2,230)	1:61:D:GLU:CA	1:61:E:GLU:CA	10	0.68	0.0	0.68
(2,230)	1:61:C:GLU:CA	1:61:D:GLU:CA	10	0.68	0.0	0.68
(2,233)	1:61:A:GLU:CA	1:61:B:GLU:CA	10	0.68	0.0	0.68
(2,233)	1:61:B:GLU:CA	1:61:C:GLU:CA	10	0.68	0.0	0.68
(2,233)	1:61:D:GLU:CA	1:61:E:GLU:CA	10	0.68	0.0	0.68
(2,233)	1:61:C:GLU:CA	1:61:D:GLU:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,236)	1:61:A:GLU:CA	1:61:B:GLU:CA	10	0.68	0.0	0.68
(2,236)	1:61:B:GLU:CA	1:61:C:GLU:CA	10	0.68	0.0	0.68
(2,236)	1:61:D:GLU:CA	1:61:E:GLU:CA	10	0.68	0.0	0.68
(2,236)	1:61:C:GLU:CA	1:61:D:GLU:CA	10	0.68	0.0	0.68
(2,239)	1:61:A:GLU:CA	1:61:B:GLU:CA	10	0.68	0.0	0.68
(2,239)	1:61:B:GLU:CA	1:61:C:GLU:CA	10	0.68	0.0	0.68
(2,239)	1:61:D:GLU:CA	1:61:E:GLU:CA	10	0.68	0.0	0.68
(2,239)	1:61:C:GLU:CA	1:61:D:GLU:CA	10	0.68	0.0	0.68
(2,255)	1:63:A:VAL:N	1:63:B:VAL:N	10	0.68	0.0	0.68
(2,255)	1:63:B:VAL:N	1:63:C:VAL:N	10	0.68	0.0	0.68
(2,255)	1:63:C:VAL:N	1:63:D:VAL:N	10	0.68	0.0	0.68
(2,255)	1:63:D:VAL:N	1:63:E:VAL:N	10	0.68	0.0	0.68
(2,258)	1:63:A:VAL:N	1:63:B:VAL:N	10	0.68	0.0	0.68
(2,258)	1:63:B:VAL:N	1:63:C:VAL:N	10	0.68	0.0	0.68
(2,258)	1:63:C:VAL:N	1:63:D:VAL:N	10	0.68	0.0	0.68
(2,258)	1:63:D:VAL:N	1:63:E:VAL:N	10	0.68	0.0	0.68
(2,261)	1:63:A:VAL:N	1:63:B:VAL:N	10	0.68	0.0	0.68
(2,261)	1:63:B:VAL:N	1:63:C:VAL:N	10	0.68	0.0	0.68
(2,261)	1:63:C:VAL:N	1:63:D:VAL:N	10	0.68	0.0	0.68
(2,261)	1:63:D:VAL:N	1:63:E:VAL:N	10	0.68	0.0	0.68
(2,264)	1:63:A:VAL:N	1:63:B:VAL:N	10	0.68	0.0	0.68
(2,264)	1:63:B:VAL:N	1:63:C:VAL:N	10	0.68	0.0	0.68
(2,264)	1:63:C:VAL:N	1:63:D:VAL:N	10	0.68	0.0	0.68
(2,264)	1:63:D:VAL:N	1:63:E:VAL:N	10	0.68	0.0	0.68
(2,265)	1:64:A:THR:C	1:64:B:THR:C	10	0.68	0.0	0.68
(2,265)	1:64:B:THR:C	1:64:C:THR:C	10	0.68	0.0	0.68
(2,265)	1:64:D:THR:C	1:64:E:THR:C	10	0.68	0.0	0.68
(2,265)	1:64:C:THR:C	1:64:D:THR:C	10	0.68	0.0	0.68
(2,266)	1:64:D:THR:CA	1:64:E:THR:CA	10	0.68	0.0	0.68
(2,266)	1:64:C:THR:CA	1:64:D:THR:CA	10	0.68	0.0	0.68
(2,266)	1:64:A:THR:CA	1:64:B:THR:CA	10	0.68	0.0	0.68
(2,266)	1:64:B:THR:CA	1:64:C:THR:CA	10	0.68	0.0	0.68
(2,268)	1:64:A:THR:C	1:64:B:THR:C	10	0.68	0.0	0.68
(2,268)	1:64:B:THR:C	1:64:C:THR:C	10	0.68	0.0	0.68
(2,268)	1:64:D:THR:C	1:64:E:THR:C	10	0.68	0.0	0.68
(2,268)	1:64:C:THR:C	1:64:D:THR:C	10	0.68	0.0	0.68
(2,269)	1:64:D:THR:CA	1:64:E:THR:CA	10	0.68	0.0	0.68
(2,269)	1:64:C:THR:CA	1:64:D:THR:CA	10	0.68	0.0	0.68
(2,269)	1:64:A:THR:CA	1:64:B:THR:CA	10	0.68	0.0	0.68
(2,269)	1:64:B:THR:CA	1:64:C:THR:CA	10	0.68	0.0	0.68
(2,271)	1:64:A:THR:C	1:64:B:THR:C	10	0.68	0.0	0.68
(2,271)	1:64:B:THR:C	1:64:C:THR:C	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,271)	1:64:D:THR:C	1:64:E:THR:C	10	0.68	0.0	0.68
(2,271)	1:64:C:THR:C	1:64:D:THR:C	10	0.68	0.0	0.68
(2,272)	1:64:D:THR:CA	1:64:E:THR:CA	10	0.68	0.0	0.68
(2,272)	1:64:C:THR:CA	1:64:D:THR:CA	10	0.68	0.0	0.68
(2,272)	1:64:A:THR:CA	1:64:B:THR:CA	10	0.68	0.0	0.68
(2,272)	1:64:B:THR:CA	1:64:C:THR:CA	10	0.68	0.0	0.68
(2,274)	1:64:A:THR:C	1:64:B:THR:C	10	0.68	0.0	0.68
(2,274)	1:64:B:THR:C	1:64:C:THR:C	10	0.68	0.0	0.68
(2,274)	1:64:D:THR:C	1:64:E:THR:C	10	0.68	0.0	0.68
(2,274)	1:64:C:THR:C	1:64:D:THR:C	10	0.68	0.0	0.68
(2,275)	1:64:D:THR:CA	1:64:E:THR:CA	10	0.68	0.0	0.68
(2,275)	1:64:C:THR:CA	1:64:D:THR:CA	10	0.68	0.0	0.68
(2,275)	1:64:A:THR:CA	1:64:B:THR:CA	10	0.68	0.0	0.68
(2,275)	1:64:B:THR:CA	1:64:C:THR:CA	10	0.68	0.0	0.68
(2,290)	1:66:A:VAL:CA	1:66:B:VAL:CA	10	0.68	0.0	0.68
(2,290)	1:66:D:VAL:CA	1:66:E:VAL:CA	10	0.68	0.0	0.68
(2,290)	1:66:B:VAL:CA	1:66:C:VAL:CA	10	0.68	0.0	0.68
(2,290)	1:66:C:VAL:CA	1:66:D:VAL:CA	10	0.68	0.0	0.68
(2,291)	1:66:A:VAL:N	1:66:B:VAL:N	10	0.68	0.0	0.68
(2,291)	1:66:D:VAL:N	1:66:E:VAL:N	10	0.68	0.0	0.68
(2,291)	1:66:B:VAL:N	1:66:C:VAL:N	10	0.68	0.0	0.68
(2,291)	1:66:C:VAL:N	1:66:D:VAL:N	10	0.68	0.0	0.68
(2,293)	1:66:A:VAL:CA	1:66:B:VAL:CA	10	0.68	0.0	0.68
(2,293)	1:66:D:VAL:CA	1:66:E:VAL:CA	10	0.68	0.0	0.68
(2,293)	1:66:B:VAL:CA	1:66:C:VAL:CA	10	0.68	0.0	0.68
(2,293)	1:66:C:VAL:CA	1:66:D:VAL:CA	10	0.68	0.0	0.68
(2,294)	1:66:A:VAL:N	1:66:B:VAL:N	10	0.68	0.0	0.68
(2,294)	1:66:D:VAL:N	1:66:E:VAL:N	10	0.68	0.0	0.68
(2,294)	1:66:B:VAL:N	1:66:C:VAL:N	10	0.68	0.0	0.68
(2,294)	1:66:C:VAL:N	1:66:D:VAL:N	10	0.68	0.0	0.68
(2,296)	1:66:A:VAL:CA	1:66:B:VAL:CA	10	0.68	0.0	0.68
(2,296)	1:66:D:VAL:CA	1:66:E:VAL:CA	10	0.68	0.0	0.68
(2,296)	1:66:B:VAL:CA	1:66:C:VAL:CA	10	0.68	0.0	0.68
(2,296)	1:66:C:VAL:CA	1:66:D:VAL:CA	10	0.68	0.0	0.68
(2,297)	1:66:A:VAL:N	1:66:B:VAL:N	10	0.68	0.0	0.68
(2,297)	1:66:D:VAL:N	1:66:E:VAL:N	10	0.68	0.0	0.68
(2,297)	1:66:B:VAL:N	1:66:C:VAL:N	10	0.68	0.0	0.68
(2,297)	1:66:C:VAL:N	1:66:D:VAL:N	10	0.68	0.0	0.68
(2,299)	1:66:A:VAL:CA	1:66:B:VAL:CA	10	0.68	0.0	0.68
(2,299)	1:66:D:VAL:CA	1:66:E:VAL:CA	10	0.68	0.0	0.68
(2,299)	1:66:B:VAL:CA	1:66:C:VAL:CA	10	0.68	0.0	0.68
(2,299)	1:66:C:VAL:CA	1:66:D:VAL:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,300)	1:66:A:VAL:N	1:66:B:VAL:N	10	0.68	0.0	0.68
(2,300)	1:66:D:VAL:N	1:66:E:VAL:N	10	0.68	0.0	0.68
(2,300)	1:66:B:VAL:N	1:66:C:VAL:N	10	0.68	0.0	0.68
(2,300)	1:66:C:VAL:N	1:66:D:VAL:N	10	0.68	0.0	0.68
(2,313)	1:70:C:VAL:C	1:70:D:VAL:C	10	0.68	0.0	0.68
(2,313)	1:70:A:VAL:C	1:70:B:VAL:C	10	0.68	0.0	0.68
(2,313)	1:70:B:VAL:C	1:70:C:VAL:C	10	0.68	0.0	0.68
(2,313)	1:70:D:VAL:C	1:70:E:VAL:C	10	0.68	0.0	0.68
(2,314)	1:70:A:VAL:CA	1:70:B:VAL:CA	10	0.68	0.0	0.68
(2,314)	1:70:B:VAL:CA	1:70:C:VAL:CA	10	0.68	0.0	0.68
(2,314)	1:70:D:VAL:CA	1:70:E:VAL:CA	10	0.68	0.0	0.68
(2,315)	1:70:A:VAL:N	1:70:B:VAL:N	10	0.68	0.0	0.68
(2,315)	1:70:B:VAL:N	1:70:C:VAL:N	10	0.68	0.0	0.68
(2,315)	1:70:D:VAL:N	1:70:E:VAL:N	10	0.68	0.0	0.68
(2,315)	1:70:C:VAL:N	1:70:D:VAL:N	10	0.68	0.0	0.68
(2,316)	1:70:C:VAL:C	1:70:D:VAL:C	10	0.68	0.0	0.68
(2,316)	1:70:A:VAL:C	1:70:B:VAL:C	10	0.68	0.0	0.68
(2,316)	1:70:B:VAL:C	1:70:C:VAL:C	10	0.68	0.0	0.68
(2,316)	1:70:D:VAL:C	1:70:E:VAL:C	10	0.68	0.0	0.68
(2,317)	1:70:A:VAL:CA	1:70:B:VAL:CA	10	0.68	0.0	0.68
(2,317)	1:70:B:VAL:CA	1:70:C:VAL:CA	10	0.68	0.0	0.68
(2,317)	1:70:D:VAL:CA	1:70:E:VAL:CA	10	0.68	0.0	0.68
(2,318)	1:70:A:VAL:N	1:70:B:VAL:N	10	0.68	0.0	0.68
(2,318)	1:70:B:VAL:N	1:70:C:VAL:N	10	0.68	0.0	0.68
(2,318)	1:70:D:VAL:N	1:70:E:VAL:N	10	0.68	0.0	0.68
(2,318)	1:70:C:VAL:N	1:70:D:VAL:N	10	0.68	0.0	0.68
(2,319)	1:70:C:VAL:C	1:70:D:VAL:C	10	0.68	0.0	0.68
(2,319)	1:70:A:VAL:C	1:70:B:VAL:C	10	0.68	0.0	0.68
(2,319)	1:70:B:VAL:C	1:70:C:VAL:C	10	0.68	0.0	0.68
(2,319)	1:70:D:VAL:C	1:70:E:VAL:C	10	0.68	0.0	0.68
(2,320)	1:70:A:VAL:CA	1:70:B:VAL:CA	10	0.68	0.0	0.68
(2,320)	1:70:B:VAL:CA	1:70:C:VAL:CA	10	0.68	0.0	0.68
(2,320)	1:70:D:VAL:CA	1:70:E:VAL:CA	10	0.68	0.0	0.68
(2,321)	1:70:A:VAL:N	1:70:B:VAL:N	10	0.68	0.0	0.68
(2,321)	1:70:B:VAL:N	1:70:C:VAL:N	10	0.68	0.0	0.68
(2,321)	1:70:D:VAL:N	1:70:E:VAL:N	10	0.68	0.0	0.68
(2,321)	1:70:C:VAL:N	1:70:D:VAL:N	10	0.68	0.0	0.68
(2,322)	1:70:C:VAL:C	1:70:D:VAL:C	10	0.68	0.0	0.68
(2,322)	1:70:A:VAL:C	1:70:B:VAL:C	10	0.68	0.0	0.68
(2,322)	1:70:B:VAL:C	1:70:C:VAL:C	10	0.68	0.0	0.68
(2,322)	1:70:D:VAL:C	1:70:E:VAL:C	10	0.68	0.0	0.68
(2,323)	1:70:A:VAL:CA	1:70:B:VAL:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,323)	1:70:B:VAL:CA	1:70:C:VAL:CA	10	0.68	0.0	0.68
(2,323)	1:70:D:VAL:CA	1:70:E:VAL:CA	10	0.68	0.0	0.68
(2,324)	1:70:A:VAL:N	1:70:B:VAL:N	10	0.68	0.0	0.68
(2,324)	1:70:B:VAL:N	1:70:C:VAL:N	10	0.68	0.0	0.68
(2,324)	1:70:D:VAL:N	1:70:E:VAL:N	10	0.68	0.0	0.68
(2,324)	1:70:C:VAL:N	1:70:D:VAL:N	10	0.68	0.0	0.68
(2,337)	1:72:B:THR:C	1:72:C:THR:C	10	0.68	0.0	0.68
(2,337)	1:72:D:THR:C	1:72:E:THR:C	10	0.68	0.0	0.68
(2,337)	1:72:A:THR:C	1:72:B:THR:C	10	0.68	0.0	0.68
(2,337)	1:72:C:THR:C	1:72:D:THR:C	10	0.68	0.0	0.68
(2,340)	1:72:B:THR:C	1:72:C:THR:C	10	0.68	0.0	0.68
(2,340)	1:72:D:THR:C	1:72:E:THR:C	10	0.68	0.0	0.68
(2,340)	1:72:A:THR:C	1:72:B:THR:C	10	0.68	0.0	0.68
(2,340)	1:72:C:THR:C	1:72:D:THR:C	10	0.68	0.0	0.68
(2,343)	1:72:B:THR:C	1:72:C:THR:C	10	0.68	0.0	0.68
(2,343)	1:72:D:THR:C	1:72:E:THR:C	10	0.68	0.0	0.68
(2,343)	1:72:A:THR:C	1:72:B:THR:C	10	0.68	0.0	0.68
(2,343)	1:72:C:THR:C	1:72:D:THR:C	10	0.68	0.0	0.68
(2,346)	1:72:B:THR:C	1:72:C:THR:C	10	0.68	0.0	0.68
(2,346)	1:72:D:THR:C	1:72:E:THR:C	10	0.68	0.0	0.68
(2,346)	1:72:A:THR:C	1:72:B:THR:C	10	0.68	0.0	0.68
(2,346)	1:72:C:THR:C	1:72:D:THR:C	10	0.68	0.0	0.68
(2,350)	1:74:A:VAL:CA	1:74:B:VAL:CA	10	0.68	0.0	0.68
(2,350)	1:74:C:VAL:CA	1:74:D:VAL:CA	10	0.68	0.0	0.68
(2,350)	1:74:D:VAL:CA	1:74:E:VAL:CA	10	0.68	0.0	0.68
(2,351)	1:74:A:VAL:N	1:74:B:VAL:N	10	0.68	0.0	0.68
(2,351)	1:74:D:VAL:N	1:74:E:VAL:N	10	0.68	0.0	0.68
(2,351)	1:74:B:VAL:N	1:74:C:VAL:N	10	0.68	0.0	0.68
(2,351)	1:74:C:VAL:N	1:74:D:VAL:N	10	0.68	0.0	0.68
(2,353)	1:74:A:VAL:CA	1:74:B:VAL:CA	10	0.68	0.0	0.68
(2,353)	1:74:C:VAL:CA	1:74:D:VAL:CA	10	0.68	0.0	0.68
(2,353)	1:74:D:VAL:CA	1:74:E:VAL:CA	10	0.68	0.0	0.68
(2,354)	1:74:A:VAL:N	1:74:B:VAL:N	10	0.68	0.0	0.68
(2,354)	1:74:D:VAL:N	1:74:E:VAL:N	10	0.68	0.0	0.68
(2,354)	1:74:B:VAL:N	1:74:C:VAL:N	10	0.68	0.0	0.68
(2,354)	1:74:C:VAL:N	1:74:D:VAL:N	10	0.68	0.0	0.68
(2,356)	1:74:A:VAL:CA	1:74:B:VAL:CA	10	0.68	0.0	0.68
(2,356)	1:74:C:VAL:CA	1:74:D:VAL:CA	10	0.68	0.0	0.68
(2,356)	1:74:D:VAL:CA	1:74:E:VAL:CA	10	0.68	0.0	0.68
(2,357)	1:74:A:VAL:N	1:74:B:VAL:N	10	0.68	0.0	0.68
(2,357)	1:74:D:VAL:N	1:74:E:VAL:N	10	0.68	0.0	0.68
(2,357)	1:74:B:VAL:N	1:74:C:VAL:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,357)	1:74:C:VAL:N	1:74:D:VAL:N	10	0.68	0.0	0.68
(2,359)	1:74:A:VAL:CA	1:74:B:VAL:CA	10	0.68	0.0	0.68
(2,359)	1:74:C:VAL:CA	1:74:D:VAL:CA	10	0.68	0.0	0.68
(2,359)	1:74:D:VAL:CA	1:74:E:VAL:CA	10	0.68	0.0	0.68
(2,360)	1:74:A:VAL:N	1:74:B:VAL:N	10	0.68	0.0	0.68
(2,360)	1:74:D:VAL:N	1:74:E:VAL:N	10	0.68	0.0	0.68
(2,360)	1:74:B:VAL:N	1:74:C:VAL:N	10	0.68	0.0	0.68
(2,360)	1:74:C:VAL:N	1:74:D:VAL:N	10	0.68	0.0	0.68
(2,373)	1:76:A:ALA:C	1:76:B:ALA:C	10	0.68	0.0	0.68
(2,373)	1:76:B:ALA:C	1:76:C:ALA:C	10	0.68	0.0	0.68
(2,373)	1:76:D:ALA:C	1:76:E:ALA:C	10	0.68	0.0	0.68
(2,373)	1:76:C:ALA:C	1:76:D:ALA:C	10	0.68	0.0	0.68
(2,376)	1:76:A:ALA:C	1:76:B:ALA:C	10	0.68	0.0	0.68
(2,376)	1:76:B:ALA:C	1:76:C:ALA:C	10	0.68	0.0	0.68
(2,376)	1:76:D:ALA:C	1:76:E:ALA:C	10	0.68	0.0	0.68
(2,376)	1:76:C:ALA:C	1:76:D:ALA:C	10	0.68	0.0	0.68
(2,379)	1:76:A:ALA:C	1:76:B:ALA:C	10	0.68	0.0	0.68
(2,379)	1:76:B:ALA:C	1:76:C:ALA:C	10	0.68	0.0	0.68
(2,379)	1:76:D:ALA:C	1:76:E:ALA:C	10	0.68	0.0	0.68
(2,379)	1:76:C:ALA:C	1:76:D:ALA:C	10	0.68	0.0	0.68
(2,382)	1:76:A:ALA:C	1:76:B:ALA:C	10	0.68	0.0	0.68
(2,382)	1:76:B:ALA:C	1:76:C:ALA:C	10	0.68	0.0	0.68
(2,382)	1:76:D:ALA:C	1:76:E:ALA:C	10	0.68	0.0	0.68
(2,382)	1:76:C:ALA:C	1:76:D:ALA:C	10	0.68	0.0	0.68
(2,397)	1:78:C:ALA:C	1:78:D:ALA:C	10	0.68	0.0	0.68
(2,397)	1:78:A:ALA:C	1:78:B:ALA:C	10	0.68	0.0	0.68
(2,397)	1:78:D:ALA:C	1:78:E:ALA:C	10	0.68	0.0	0.68
(2,397)	1:78:B:ALA:C	1:78:C:ALA:C	10	0.68	0.0	0.68
(2,398)	1:78:A:ALA:CA	1:78:B:ALA:CA	10	0.68	0.0	0.68
(2,398)	1:78:B:ALA:CA	1:78:C:ALA:CA	10	0.68	0.0	0.68
(2,398)	1:78:D:ALA:CA	1:78:E:ALA:CA	10	0.68	0.0	0.68
(2,398)	1:78:C:ALA:CA	1:78:D:ALA:CA	10	0.68	0.0	0.68
(2,399)	1:78:A:ALA:N	1:78:B:ALA:N	10	0.68	0.0	0.68
(2,399)	1:78:B:ALA:N	1:78:C:ALA:N	10	0.68	0.0	0.68
(2,399)	1:78:C:ALA:N	1:78:D:ALA:N	10	0.68	0.0	0.68
(2,399)	1:78:D:ALA:N	1:78:E:ALA:N	10	0.68	0.0	0.68
(2,400)	1:78:C:ALA:C	1:78:D:ALA:C	10	0.68	0.0	0.68
(2,400)	1:78:A:ALA:C	1:78:B:ALA:C	10	0.68	0.0	0.68
(2,400)	1:78:D:ALA:C	1:78:E:ALA:C	10	0.68	0.0	0.68
(2,400)	1:78:B:ALA:C	1:78:C:ALA:C	10	0.68	0.0	0.68
(2,401)	1:78:A:ALA:CA	1:78:B:ALA:CA	10	0.68	0.0	0.68
(2,401)	1:78:B:ALA:CA	1:78:C:ALA:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,401)	1:78:D:ALA:CA	1:78:E:ALA:CA	10	0.68	0.0	0.68
(2,401)	1:78:C:ALA:CA	1:78:D:ALA:CA	10	0.68	0.0	0.68
(2,402)	1:78:A:ALA:N	1:78:B:ALA:N	10	0.68	0.0	0.68
(2,402)	1:78:B:ALA:N	1:78:C:ALA:N	10	0.68	0.0	0.68
(2,402)	1:78:C:ALA:N	1:78:D:ALA:N	10	0.68	0.0	0.68
(2,402)	1:78:D:ALA:N	1:78:E:ALA:N	10	0.68	0.0	0.68
(2,403)	1:78:C:ALA:C	1:78:D:ALA:C	10	0.68	0.0	0.68
(2,403)	1:78:A:ALA:C	1:78:B:ALA:C	10	0.68	0.0	0.68
(2,403)	1:78:D:ALA:C	1:78:E:ALA:C	10	0.68	0.0	0.68
(2,403)	1:78:B:ALA:C	1:78:C:ALA:C	10	0.68	0.0	0.68
(2,404)	1:78:A:ALA:CA	1:78:B:ALA:CA	10	0.68	0.0	0.68
(2,404)	1:78:B:ALA:CA	1:78:C:ALA:CA	10	0.68	0.0	0.68
(2,404)	1:78:D:ALA:CA	1:78:E:ALA:CA	10	0.68	0.0	0.68
(2,404)	1:78:C:ALA:CA	1:78:D:ALA:CA	10	0.68	0.0	0.68
(2,405)	1:78:A:ALA:N	1:78:B:ALA:N	10	0.68	0.0	0.68
(2,405)	1:78:B:ALA:N	1:78:C:ALA:N	10	0.68	0.0	0.68
(2,405)	1:78:C:ALA:N	1:78:D:ALA:N	10	0.68	0.0	0.68
(2,405)	1:78:D:ALA:N	1:78:E:ALA:N	10	0.68	0.0	0.68
(2,406)	1:78:C:ALA:C	1:78:D:ALA:C	10	0.68	0.0	0.68
(2,406)	1:78:A:ALA:C	1:78:B:ALA:C	10	0.68	0.0	0.68
(2,406)	1:78:D:ALA:C	1:78:E:ALA:C	10	0.68	0.0	0.68
(2,406)	1:78:B:ALA:C	1:78:C:ALA:C	10	0.68	0.0	0.68
(2,407)	1:78:A:ALA:CA	1:78:B:ALA:CA	10	0.68	0.0	0.68
(2,407)	1:78:B:ALA:CA	1:78:C:ALA:CA	10	0.68	0.0	0.68
(2,407)	1:78:D:ALA:CA	1:78:E:ALA:CA	10	0.68	0.0	0.68
(2,407)	1:78:C:ALA:CA	1:78:D:ALA:CA	10	0.68	0.0	0.68
(2,408)	1:78:A:ALA:N	1:78:B:ALA:N	10	0.68	0.0	0.68
(2,408)	1:78:B:ALA:N	1:78:C:ALA:N	10	0.68	0.0	0.68
(2,408)	1:78:C:ALA:N	1:78:D:ALA:N	10	0.68	0.0	0.68
(2,408)	1:78:D:ALA:N	1:78:E:ALA:N	10	0.68	0.0	0.68
(2,410)	1:79:A:GLN:CA	1:79:B:GLN:CA	10	0.68	0.0	0.68
(2,410)	1:79:C:GLN:CA	1:79:D:GLN:CA	10	0.68	0.0	0.68
(2,410)	1:79:B:GLN:CA	1:79:C:GLN:CA	10	0.68	0.0	0.68
(2,410)	1:79:D:GLN:CA	1:79:E:GLN:CA	10	0.68	0.0	0.68
(2,413)	1:79:A:GLN:CA	1:79:B:GLN:CA	10	0.68	0.0	0.68
(2,413)	1:79:C:GLN:CA	1:79:D:GLN:CA	10	0.68	0.0	0.68
(2,413)	1:79:B:GLN:CA	1:79:C:GLN:CA	10	0.68	0.0	0.68
(2,413)	1:79:D:GLN:CA	1:79:E:GLN:CA	10	0.68	0.0	0.68
(2,416)	1:79:A:GLN:CA	1:79:B:GLN:CA	10	0.68	0.0	0.68
(2,416)	1:79:C:GLN:CA	1:79:D:GLN:CA	10	0.68	0.0	0.68
(2,416)	1:79:B:GLN:CA	1:79:C:GLN:CA	10	0.68	0.0	0.68
(2,416)	1:79:D:GLN:CA	1:79:E:GLN:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,419)	1:79:A:GLN:CA	1:79:B:GLN:CA	10	0.68	0.0	0.68
(2,419)	1:79:C:GLN:CA	1:79:D:GLN:CA	10	0.68	0.0	0.68
(2,419)	1:79:B:GLN:CA	1:79:C:GLN:CA	10	0.68	0.0	0.68
(2,419)	1:79:D:GLN:CA	1:79:E:GLN:CA	10	0.68	0.0	0.68
(2,422)	1:80:B:LYS:CA	1:80:C:LYS:CA	10	0.68	0.0	0.68
(2,422)	1:80:C:LYS:CA	1:80:D:LYS:CA	10	0.68	0.0	0.68
(2,422)	1:80:A:LYS:CA	1:80:B:LYS:CA	10	0.68	0.0	0.68
(2,422)	1:80:D:LYS:CA	1:80:E:LYS:CA	10	0.68	0.0	0.68
(2,425)	1:80:B:LYS:CA	1:80:C:LYS:CA	10	0.68	0.0	0.68
(2,425)	1:80:C:LYS:CA	1:80:D:LYS:CA	10	0.68	0.0	0.68
(2,425)	1:80:A:LYS:CA	1:80:B:LYS:CA	10	0.68	0.0	0.68
(2,425)	1:80:D:LYS:CA	1:80:E:LYS:CA	10	0.68	0.0	0.68
(2,428)	1:80:B:LYS:CA	1:80:C:LYS:CA	10	0.68	0.0	0.68
(2,428)	1:80:C:LYS:CA	1:80:D:LYS:CA	10	0.68	0.0	0.68
(2,428)	1:80:A:LYS:CA	1:80:B:LYS:CA	10	0.68	0.0	0.68
(2,428)	1:80:D:LYS:CA	1:80:E:LYS:CA	10	0.68	0.0	0.68
(2,431)	1:80:B:LYS:CA	1:80:C:LYS:CA	10	0.68	0.0	0.68
(2,431)	1:80:C:LYS:CA	1:80:D:LYS:CA	10	0.68	0.0	0.68
(2,431)	1:80:A:LYS:CA	1:80:B:LYS:CA	10	0.68	0.0	0.68
(2,431)	1:80:D:LYS:CA	1:80:E:LYS:CA	10	0.68	0.0	0.68
(2,433)	1:81:A:THR:C	1:81:B:THR:C	10	0.68	0.0	0.68
(2,433)	1:81:B:THR:C	1:81:C:THR:C	10	0.68	0.0	0.68
(2,433)	1:81:D:THR:C	1:81:E:THR:C	10	0.68	0.0	0.68
(2,433)	1:81:C:THR:C	1:81:D:THR:C	10	0.68	0.0	0.68
(2,435)	1:81:A:THR:N	1:81:B:THR:N	10	0.68	0.0	0.68
(2,435)	1:81:B:THR:N	1:81:C:THR:N	10	0.68	0.0	0.68
(2,435)	1:81:C:THR:N	1:81:D:THR:N	10	0.68	0.0	0.68
(2,435)	1:81:D:THR:N	1:81:E:THR:N	10	0.68	0.0	0.68
(2,436)	1:81:A:THR:C	1:81:B:THR:C	10	0.68	0.0	0.68
(2,436)	1:81:B:THR:C	1:81:C:THR:C	10	0.68	0.0	0.68
(2,436)	1:81:D:THR:C	1:81:E:THR:C	10	0.68	0.0	0.68
(2,436)	1:81:C:THR:C	1:81:D:THR:C	10	0.68	0.0	0.68
(2,438)	1:81:A:THR:N	1:81:B:THR:N	10	0.68	0.0	0.68
(2,438)	1:81:B:THR:N	1:81:C:THR:N	10	0.68	0.0	0.68
(2,438)	1:81:C:THR:N	1:81:D:THR:N	10	0.68	0.0	0.68
(2,438)	1:81:D:THR:N	1:81:E:THR:N	10	0.68	0.0	0.68
(2,439)	1:81:A:THR:C	1:81:B:THR:C	10	0.68	0.0	0.68
(2,439)	1:81:B:THR:C	1:81:C:THR:C	10	0.68	0.0	0.68
(2,439)	1:81:D:THR:C	1:81:E:THR:C	10	0.68	0.0	0.68
(2,439)	1:81:C:THR:C	1:81:D:THR:C	10	0.68	0.0	0.68
(2,441)	1:81:A:THR:N	1:81:B:THR:N	10	0.68	0.0	0.68
(2,441)	1:81:B:THR:N	1:81:C:THR:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,441)	1:81:C:THR:N	1:81:D:THR:N	10	0.68	0.0	0.68
(2,441)	1:81:D:THR:N	1:81:E:THR:N	10	0.68	0.0	0.68
(2,442)	1:81:A:THR:C	1:81:B:THR:C	10	0.68	0.0	0.68
(2,442)	1:81:B:THR:C	1:81:C:THR:C	10	0.68	0.0	0.68
(2,442)	1:81:D:THR:C	1:81:E:THR:C	10	0.68	0.0	0.68
(2,442)	1:81:C:THR:C	1:81:D:THR:C	10	0.68	0.0	0.68
(2,444)	1:81:A:THR:N	1:81:B:THR:N	10	0.68	0.0	0.68
(2,444)	1:81:B:THR:N	1:81:C:THR:N	10	0.68	0.0	0.68
(2,444)	1:81:C:THR:N	1:81:D:THR:N	10	0.68	0.0	0.68
(2,444)	1:81:D:THR:N	1:81:E:THR:N	10	0.68	0.0	0.68
(2,445)	1:82:A:VAL:C	1:82:B:VAL:C	10	0.68	0.0	0.68
(2,445)	1:82:C:VAL:C	1:82:D:VAL:C	10	0.68	0.0	0.68
(2,445)	1:82:B:VAL:C	1:82:C:VAL:C	10	0.68	0.0	0.68
(2,445)	1:82:D:VAL:C	1:82:E:VAL:C	10	0.68	0.0	0.68
(2,446)	1:82:D:VAL:CA	1:82:E:VAL:CA	10	0.68	0.0	0.68
(2,446)	1:82:C:VAL:CA	1:82:D:VAL:CA	10	0.68	0.0	0.68
(2,446)	1:82:B:VAL:CA	1:82:C:VAL:CA	10	0.68	0.0	0.68
(2,447)	1:82:A:VAL:N	1:82:B:VAL:N	10	0.68	0.0	0.68
(2,447)	1:82:B:VAL:N	1:82:C:VAL:N	10	0.68	0.0	0.68
(2,447)	1:82:D:VAL:N	1:82:E:VAL:N	10	0.68	0.0	0.68
(2,447)	1:82:C:VAL:N	1:82:D:VAL:N	10	0.68	0.0	0.68
(2,448)	1:82:A:VAL:C	1:82:B:VAL:C	10	0.68	0.0	0.68
(2,448)	1:82:C:VAL:C	1:82:D:VAL:C	10	0.68	0.0	0.68
(2,448)	1:82:B:VAL:C	1:82:C:VAL:C	10	0.68	0.0	0.68
(2,448)	1:82:D:VAL:C	1:82:E:VAL:C	10	0.68	0.0	0.68
(2,449)	1:82:D:VAL:CA	1:82:E:VAL:CA	10	0.68	0.0	0.68
(2,449)	1:82:C:VAL:CA	1:82:D:VAL:CA	10	0.68	0.0	0.68
(2,449)	1:82:B:VAL:CA	1:82:C:VAL:CA	10	0.68	0.0	0.68
(2,450)	1:82:A:VAL:N	1:82:B:VAL:N	10	0.68	0.0	0.68
(2,450)	1:82:B:VAL:N	1:82:C:VAL:N	10	0.68	0.0	0.68
(2,450)	1:82:D:VAL:N	1:82:E:VAL:N	10	0.68	0.0	0.68
(2,450)	1:82:C:VAL:N	1:82:D:VAL:N	10	0.68	0.0	0.68
(2,451)	1:82:A:VAL:C	1:82:B:VAL:C	10	0.68	0.0	0.68
(2,451)	1:82:C:VAL:C	1:82:D:VAL:C	10	0.68	0.0	0.68
(2,451)	1:82:B:VAL:C	1:82:C:VAL:C	10	0.68	0.0	0.68
(2,451)	1:82:D:VAL:C	1:82:E:VAL:C	10	0.68	0.0	0.68
(2,452)	1:82:D:VAL:CA	1:82:E:VAL:CA	10	0.68	0.0	0.68
(2,452)	1:82:C:VAL:CA	1:82:D:VAL:CA	10	0.68	0.0	0.68
(2,452)	1:82:B:VAL:CA	1:82:C:VAL:CA	10	0.68	0.0	0.68
(2,453)	1:82:A:VAL:N	1:82:B:VAL:N	10	0.68	0.0	0.68
(2,453)	1:82:B:VAL:N	1:82:C:VAL:N	10	0.68	0.0	0.68
(2,453)	1:82:D:VAL:N	1:82:E:VAL:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,453)	1:82:C:VAL:N	1:82:D:VAL:N	10	0.68	0.0	0.68
(2,454)	1:82:A:VAL:C	1:82:B:VAL:C	10	0.68	0.0	0.68
(2,454)	1:82:C:VAL:C	1:82:D:VAL:C	10	0.68	0.0	0.68
(2,454)	1:82:B:VAL:C	1:82:C:VAL:C	10	0.68	0.0	0.68
(2,454)	1:82:D:VAL:C	1:82:E:VAL:C	10	0.68	0.0	0.68
(2,455)	1:82:D:VAL:CA	1:82:E:VAL:CA	10	0.68	0.0	0.68
(2,455)	1:82:C:VAL:CA	1:82:D:VAL:CA	10	0.68	0.0	0.68
(2,455)	1:82:B:VAL:CA	1:82:C:VAL:CA	10	0.68	0.0	0.68
(2,456)	1:82:A:VAL:N	1:82:B:VAL:N	10	0.68	0.0	0.68
(2,456)	1:82:B:VAL:N	1:82:C:VAL:N	10	0.68	0.0	0.68
(2,456)	1:82:D:VAL:N	1:82:E:VAL:N	10	0.68	0.0	0.68
(2,456)	1:82:C:VAL:N	1:82:D:VAL:N	10	0.68	0.0	0.68
(2,457)	1:83:B:GLU:C	1:83:C:GLU:C	10	0.68	0.0	0.68
(2,457)	1:83:A:GLU:C	1:83:B:GLU:C	10	0.68	0.0	0.68
(2,457)	1:83:C:GLU:C	1:83:D:GLU:C	10	0.68	0.0	0.68
(2,457)	1:83:D:GLU:C	1:83:E:GLU:C	10	0.68	0.0	0.68
(2,459)	1:83:A:GLU:N	1:83:B:GLU:N	10	0.68	0.0	0.68
(2,459)	1:83:C:GLU:N	1:83:D:GLU:N	10	0.68	0.0	0.68
(2,459)	1:83:B:GLU:N	1:83:C:GLU:N	10	0.68	0.0	0.68
(2,459)	1:83:D:GLU:N	1:83:E:GLU:N	10	0.68	0.0	0.68
(2,460)	1:83:B:GLU:C	1:83:C:GLU:C	10	0.68	0.0	0.68
(2,460)	1:83:A:GLU:C	1:83:B:GLU:C	10	0.68	0.0	0.68
(2,460)	1:83:C:GLU:C	1:83:D:GLU:C	10	0.68	0.0	0.68
(2,460)	1:83:D:GLU:C	1:83:E:GLU:C	10	0.68	0.0	0.68
(2,462)	1:83:A:GLU:N	1:83:B:GLU:N	10	0.68	0.0	0.68
(2,462)	1:83:C:GLU:N	1:83:D:GLU:N	10	0.68	0.0	0.68
(2,462)	1:83:B:GLU:N	1:83:C:GLU:N	10	0.68	0.0	0.68
(2,462)	1:83:D:GLU:N	1:83:E:GLU:N	10	0.68	0.0	0.68
(2,463)	1:83:B:GLU:C	1:83:C:GLU:C	10	0.68	0.0	0.68
(2,463)	1:83:A:GLU:C	1:83:B:GLU:C	10	0.68	0.0	0.68
(2,463)	1:83:C:GLU:C	1:83:D:GLU:C	10	0.68	0.0	0.68
(2,463)	1:83:D:GLU:C	1:83:E:GLU:C	10	0.68	0.0	0.68
(2,465)	1:83:A:GLU:N	1:83:B:GLU:N	10	0.68	0.0	0.68
(2,465)	1:83:C:GLU:N	1:83:D:GLU:N	10	0.68	0.0	0.68
(2,465)	1:83:B:GLU:N	1:83:C:GLU:N	10	0.68	0.0	0.68
(2,465)	1:83:D:GLU:N	1:83:E:GLU:N	10	0.68	0.0	0.68
(2,466)	1:83:B:GLU:C	1:83:C:GLU:C	10	0.68	0.0	0.68
(2,466)	1:83:A:GLU:C	1:83:B:GLU:C	10	0.68	0.0	0.68
(2,466)	1:83:C:GLU:C	1:83:D:GLU:C	10	0.68	0.0	0.68
(2,466)	1:83:D:GLU:C	1:83:E:GLU:C	10	0.68	0.0	0.68
(2,468)	1:83:A:GLU:N	1:83:B:GLU:N	10	0.68	0.0	0.68
(2,468)	1:83:C:GLU:N	1:83:D:GLU:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,468)	1:83:B:GLU:N	1:83:C:GLU:N	10	0.68	0.0	0.68
(2,468)	1:83:D:GLU:N	1:83:E:GLU:N	10	0.68	0.0	0.68
(2,469)	1:90:D:ALA:C	1:90:E:ALA:C	10	0.68	0.0	0.68
(2,469)	1:90:C:ALA:C	1:90:D:ALA:C	10	0.68	0.0	0.68
(2,469)	1:90:A:ALA:C	1:90:B:ALA:C	10	0.68	0.0	0.68
(2,469)	1:90:B:ALA:C	1:90:C:ALA:C	10	0.68	0.0	0.68
(2,470)	1:90:C:ALA:CA	1:90:D:ALA:CA	10	0.68	0.0	0.68
(2,470)	1:90:B:ALA:CA	1:90:C:ALA:CA	10	0.68	0.0	0.68
(2,470)	1:90:D:ALA:CA	1:90:E:ALA:CA	10	0.68	0.0	0.68
(2,471)	1:90:D:ALA:N	1:90:E:ALA:N	10	0.68	0.0	0.68
(2,471)	1:90:A:ALA:N	1:90:B:ALA:N	10	0.68	0.0	0.68
(2,471)	1:90:C:ALA:N	1:90:D:ALA:N	10	0.68	0.0	0.68
(2,471)	1:90:B:ALA:N	1:90:C:ALA:N	10	0.68	0.0	0.68
(2,472)	1:90:D:ALA:C	1:90:E:ALA:C	10	0.68	0.0	0.68
(2,472)	1:90:C:ALA:C	1:90:D:ALA:C	10	0.68	0.0	0.68
(2,472)	1:90:A:ALA:C	1:90:B:ALA:C	10	0.68	0.0	0.68
(2,472)	1:90:B:ALA:C	1:90:C:ALA:C	10	0.68	0.0	0.68
(2,473)	1:90:C:ALA:CA	1:90:D:ALA:CA	10	0.68	0.0	0.68
(2,473)	1:90:B:ALA:CA	1:90:C:ALA:CA	10	0.68	0.0	0.68
(2,473)	1:90:D:ALA:CA	1:90:E:ALA:CA	10	0.68	0.0	0.68
(2,474)	1:90:D:ALA:N	1:90:E:ALA:N	10	0.68	0.0	0.68
(2,474)	1:90:A:ALA:N	1:90:B:ALA:N	10	0.68	0.0	0.68
(2,474)	1:90:C:ALA:N	1:90:D:ALA:N	10	0.68	0.0	0.68
(2,474)	1:90:B:ALA:N	1:90:C:ALA:N	10	0.68	0.0	0.68
(2,475)	1:90:D:ALA:C	1:90:E:ALA:C	10	0.68	0.0	0.68
(2,475)	1:90:C:ALA:C	1:90:D:ALA:C	10	0.68	0.0	0.68
(2,475)	1:90:A:ALA:C	1:90:B:ALA:C	10	0.68	0.0	0.68
(2,475)	1:90:B:ALA:C	1:90:C:ALA:C	10	0.68	0.0	0.68
(2,476)	1:90:C:ALA:CA	1:90:D:ALA:CA	10	0.68	0.0	0.68
(2,476)	1:90:B:ALA:CA	1:90:C:ALA:CA	10	0.68	0.0	0.68
(2,476)	1:90:D:ALA:CA	1:90:E:ALA:CA	10	0.68	0.0	0.68
(2,477)	1:90:D:ALA:N	1:90:E:ALA:N	10	0.68	0.0	0.68
(2,477)	1:90:A:ALA:N	1:90:B:ALA:N	10	0.68	0.0	0.68
(2,477)	1:90:C:ALA:N	1:90:D:ALA:N	10	0.68	0.0	0.68
(2,477)	1:90:B:ALA:N	1:90:C:ALA:N	10	0.68	0.0	0.68
(2,478)	1:90:D:ALA:C	1:90:E:ALA:C	10	0.68	0.0	0.68
(2,478)	1:90:C:ALA:C	1:90:D:ALA:C	10	0.68	0.0	0.68
(2,478)	1:90:A:ALA:C	1:90:B:ALA:C	10	0.68	0.0	0.68
(2,478)	1:90:B:ALA:C	1:90:C:ALA:C	10	0.68	0.0	0.68
(2,479)	1:90:C:ALA:CA	1:90:D:ALA:CA	10	0.68	0.0	0.68
(2,479)	1:90:B:ALA:CA	1:90:C:ALA:CA	10	0.68	0.0	0.68
(2,479)	1:90:D:ALA:CA	1:90:E:ALA:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,480)	1:90:D:ALA:N	1:90:E:ALA:N	10	0.68	0.0	0.68
(2,480)	1:90:A:ALA:N	1:90:B:ALA:N	10	0.68	0.0	0.68
(2,480)	1:90:C:ALA:N	1:90:D:ALA:N	10	0.68	0.0	0.68
(2,480)	1:90:B:ALA:N	1:90:C:ALA:N	10	0.68	0.0	0.68
(2,483)	1:91:D:ALA:N	1:91:E:ALA:N	10	0.68	0.0	0.68
(2,483)	1:91:A:ALA:N	1:91:B:ALA:N	10	0.68	0.0	0.68
(2,483)	1:91:C:ALA:N	1:91:D:ALA:N	10	0.68	0.0	0.68
(2,483)	1:91:B:ALA:N	1:91:C:ALA:N	10	0.68	0.0	0.68
(2,486)	1:91:D:ALA:N	1:91:E:ALA:N	10	0.68	0.0	0.68
(2,486)	1:91:A:ALA:N	1:91:B:ALA:N	10	0.68	0.0	0.68
(2,486)	1:91:C:ALA:N	1:91:D:ALA:N	10	0.68	0.0	0.68
(2,486)	1:91:B:ALA:N	1:91:C:ALA:N	10	0.68	0.0	0.68
(2,489)	1:91:D:ALA:N	1:91:E:ALA:N	10	0.68	0.0	0.68
(2,489)	1:91:A:ALA:N	1:91:B:ALA:N	10	0.68	0.0	0.68
(2,489)	1:91:C:ALA:N	1:91:D:ALA:N	10	0.68	0.0	0.68
(2,489)	1:91:B:ALA:N	1:91:C:ALA:N	10	0.68	0.0	0.68
(2,492)	1:91:D:ALA:N	1:91:E:ALA:N	10	0.68	0.0	0.68
(2,492)	1:91:A:ALA:N	1:91:B:ALA:N	10	0.68	0.0	0.68
(2,492)	1:91:C:ALA:N	1:91:D:ALA:N	10	0.68	0.0	0.68
(2,492)	1:91:B:ALA:N	1:91:C:ALA:N	10	0.68	0.0	0.68
(2,493)	1:92:A:THR:C	1:92:B:THR:C	10	0.68	0.0	0.68
(2,493)	1:92:B:THR:C	1:92:C:THR:C	10	0.68	0.0	0.68
(2,493)	1:92:C:THR:C	1:92:D:THR:C	10	0.68	0.0	0.68
(2,493)	1:92:D:THR:C	1:92:E:THR:C	10	0.68	0.0	0.68
(2,495)	1:92:C:THR:N	1:92:D:THR:N	10	0.68	0.0	0.68
(2,495)	1:92:A:THR:N	1:92:B:THR:N	10	0.68	0.0	0.68
(2,495)	1:92:B:THR:N	1:92:C:THR:N	10	0.68	0.0	0.68
(2,495)	1:92:D:THR:N	1:92:E:THR:N	10	0.68	0.0	0.68
(2,496)	1:92:A:THR:C	1:92:B:THR:C	10	0.68	0.0	0.68
(2,496)	1:92:B:THR:C	1:92:C:THR:C	10	0.68	0.0	0.68
(2,496)	1:92:C:THR:C	1:92:D:THR:C	10	0.68	0.0	0.68
(2,496)	1:92:D:THR:C	1:92:E:THR:C	10	0.68	0.0	0.68
(2,498)	1:92:C:THR:N	1:92:D:THR:N	10	0.68	0.0	0.68
(2,498)	1:92:A:THR:N	1:92:B:THR:N	10	0.68	0.0	0.68
(2,498)	1:92:B:THR:N	1:92:C:THR:N	10	0.68	0.0	0.68
(2,498)	1:92:D:THR:N	1:92:E:THR:N	10	0.68	0.0	0.68
(2,499)	1:92:A:THR:C	1:92:B:THR:C	10	0.68	0.0	0.68
(2,499)	1:92:B:THR:C	1:92:C:THR:C	10	0.68	0.0	0.68
(2,499)	1:92:C:THR:C	1:92:D:THR:C	10	0.68	0.0	0.68
(2,499)	1:92:D:THR:C	1:92:E:THR:C	10	0.68	0.0	0.68
(2,501)	1:92:C:THR:N	1:92:D:THR:N	10	0.68	0.0	0.68
(2,501)	1:92:A:THR:N	1:92:B:THR:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,501)	1:92:B:THR:N	1:92:C:THR:N	10	0.68	0.0	0.68
(2,501)	1:92:D:THR:N	1:92:E:THR:N	10	0.68	0.0	0.68
(2,502)	1:92:A:THR:C	1:92:B:THR:C	10	0.68	0.0	0.68
(2,502)	1:92:B:THR:C	1:92:C:THR:C	10	0.68	0.0	0.68
(2,502)	1:92:C:THR:C	1:92:D:THR:C	10	0.68	0.0	0.68
(2,502)	1:92:D:THR:C	1:92:E:THR:C	10	0.68	0.0	0.68
(2,504)	1:92:C:THR:N	1:92:D:THR:N	10	0.68	0.0	0.68
(2,504)	1:92:A:THR:N	1:92:B:THR:N	10	0.68	0.0	0.68
(2,504)	1:92:B:THR:N	1:92:C:THR:N	10	0.68	0.0	0.68
(2,504)	1:92:D:THR:N	1:92:E:THR:N	10	0.68	0.0	0.68
(2,505)	1:94:C:PHE:C	1:94:D:PHE:C	10	0.68	0.0	0.68
(2,505)	1:94:B:PHE:C	1:94:C:PHE:C	10	0.68	0.0	0.68
(2,505)	1:94:A:PHE:C	1:94:B:PHE:C	10	0.68	0.0	0.68
(2,505)	1:94:D:PHE:C	1:94:E:PHE:C	10	0.68	0.0	0.68
(2,506)	1:94:C:PHE:CA	1:94:D:PHE:CA	10	0.68	0.0	0.68
(2,506)	1:94:A:PHE:CA	1:94:B:PHE:CA	10	0.68	0.0	0.68
(2,506)	1:94:D:PHE:CA	1:94:E:PHE:CA	10	0.68	0.0	0.68
(2,507)	1:94:D:PHE:N	1:94:E:PHE:N	10	0.68	0.0	0.68
(2,507)	1:94:B:PHE:N	1:94:C:PHE:N	10	0.68	0.0	0.68
(2,507)	1:94:C:PHE:N	1:94:D:PHE:N	10	0.68	0.0	0.68
(2,507)	1:94:A:PHE:N	1:94:B:PHE:N	10	0.68	0.0	0.68
(2,508)	1:94:C:PHE:C	1:94:D:PHE:C	10	0.68	0.0	0.68
(2,508)	1:94:B:PHE:C	1:94:C:PHE:C	10	0.68	0.0	0.68
(2,508)	1:94:A:PHE:C	1:94:B:PHE:C	10	0.68	0.0	0.68
(2,508)	1:94:D:PHE:C	1:94:E:PHE:C	10	0.68	0.0	0.68
(2,509)	1:94:C:PHE:CA	1:94:D:PHE:CA	10	0.68	0.0	0.68
(2,509)	1:94:A:PHE:CA	1:94:B:PHE:CA	10	0.68	0.0	0.68
(2,509)	1:94:D:PHE:CA	1:94:E:PHE:CA	10	0.68	0.0	0.68
(2,510)	1:94:D:PHE:N	1:94:E:PHE:N	10	0.68	0.0	0.68
(2,510)	1:94:B:PHE:N	1:94:C:PHE:N	10	0.68	0.0	0.68
(2,510)	1:94:C:PHE:N	1:94:D:PHE:N	10	0.68	0.0	0.68
(2,510)	1:94:A:PHE:N	1:94:B:PHE:N	10	0.68	0.0	0.68
(2,511)	1:94:C:PHE:C	1:94:D:PHE:C	10	0.68	0.0	0.68
(2,511)	1:94:B:PHE:C	1:94:C:PHE:C	10	0.68	0.0	0.68
(2,511)	1:94:A:PHE:C	1:94:B:PHE:C	10	0.68	0.0	0.68
(2,511)	1:94:D:PHE:C	1:94:E:PHE:C	10	0.68	0.0	0.68
(2,512)	1:94:C:PHE:CA	1:94:D:PHE:CA	10	0.68	0.0	0.68
(2,512)	1:94:A:PHE:CA	1:94:B:PHE:CA	10	0.68	0.0	0.68
(2,512)	1:94:D:PHE:CA	1:94:E:PHE:CA	10	0.68	0.0	0.68
(2,513)	1:94:D:PHE:N	1:94:E:PHE:N	10	0.68	0.0	0.68
(2,513)	1:94:B:PHE:N	1:94:C:PHE:N	10	0.68	0.0	0.68
(2,513)	1:94:C:PHE:N	1:94:D:PHE:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,513)	1:94:A:PHE:N	1:94:B:PHE:N	10	0.68	0.0	0.68
(2,514)	1:94:C:PHE:C	1:94:D:PHE:C	10	0.68	0.0	0.68
(2,514)	1:94:B:PHE:C	1:94:C:PHE:C	10	0.68	0.0	0.68
(2,514)	1:94:A:PHE:C	1:94:B:PHE:C	10	0.68	0.0	0.68
(2,514)	1:94:D:PHE:C	1:94:E:PHE:C	10	0.68	0.0	0.68
(2,515)	1:94:C:PHE:CA	1:94:D:PHE:CA	10	0.68	0.0	0.68
(2,515)	1:94:A:PHE:CA	1:94:B:PHE:CA	10	0.68	0.0	0.68
(2,515)	1:94:D:PHE:CA	1:94:E:PHE:CA	10	0.68	0.0	0.68
(2,516)	1:94:D:PHE:N	1:94:E:PHE:N	10	0.68	0.0	0.68
(2,516)	1:94:B:PHE:N	1:94:C:PHE:N	10	0.68	0.0	0.68
(2,516)	1:94:C:PHE:N	1:94:D:PHE:N	10	0.68	0.0	0.68
(2,516)	1:94:A:PHE:N	1:94:B:PHE:N	10	0.68	0.0	0.68
(2,517)	1:95:D:VAL:C	1:95:E:VAL:C	10	0.68	0.0	0.68
(2,517)	1:95:B:VAL:C	1:95:C:VAL:C	10	0.68	0.0	0.68
(2,517)	1:95:A:VAL:C	1:95:B:VAL:C	10	0.68	0.0	0.68
(2,517)	1:95:C:VAL:C	1:95:D:VAL:C	10	0.68	0.0	0.68
(2,519)	1:95:D:VAL:N	1:95:E:VAL:N	10	0.68	0.0	0.68
(2,519)	1:95:C:VAL:N	1:95:D:VAL:N	10	0.68	0.0	0.68
(2,519)	1:95:A:VAL:N	1:95:B:VAL:N	10	0.68	0.0	0.68
(2,519)	1:95:B:VAL:N	1:95:C:VAL:N	10	0.68	0.0	0.68
(2,520)	1:95:D:VAL:C	1:95:E:VAL:C	10	0.68	0.0	0.68
(2,520)	1:95:B:VAL:C	1:95:C:VAL:C	10	0.68	0.0	0.68
(2,520)	1:95:A:VAL:C	1:95:B:VAL:C	10	0.68	0.0	0.68
(2,520)	1:95:C:VAL:C	1:95:D:VAL:C	10	0.68	0.0	0.68
(2,522)	1:95:D:VAL:N	1:95:E:VAL:N	10	0.68	0.0	0.68
(2,522)	1:95:C:VAL:N	1:95:D:VAL:N	10	0.68	0.0	0.68
(2,522)	1:95:A:VAL:N	1:95:B:VAL:N	10	0.68	0.0	0.68
(2,522)	1:95:B:VAL:N	1:95:C:VAL:N	10	0.68	0.0	0.68
(2,523)	1:95:D:VAL:C	1:95:E:VAL:C	10	0.68	0.0	0.68
(2,523)	1:95:B:VAL:C	1:95:C:VAL:C	10	0.68	0.0	0.68
(2,523)	1:95:A:VAL:C	1:95:B:VAL:C	10	0.68	0.0	0.68
(2,523)	1:95:C:VAL:C	1:95:D:VAL:C	10	0.68	0.0	0.68
(2,525)	1:95:D:VAL:N	1:95:E:VAL:N	10	0.68	0.0	0.68
(2,525)	1:95:C:VAL:N	1:95:D:VAL:N	10	0.68	0.0	0.68
(2,525)	1:95:A:VAL:N	1:95:B:VAL:N	10	0.68	0.0	0.68
(2,525)	1:95:B:VAL:N	1:95:C:VAL:N	10	0.68	0.0	0.68
(2,526)	1:95:D:VAL:C	1:95:E:VAL:C	10	0.68	0.0	0.68
(2,526)	1:95:B:VAL:C	1:95:C:VAL:C	10	0.68	0.0	0.68
(2,526)	1:95:A:VAL:C	1:95:B:VAL:C	10	0.68	0.0	0.68
(2,526)	1:95:C:VAL:C	1:95:D:VAL:C	10	0.68	0.0	0.68
(2,528)	1:95:D:VAL:N	1:95:E:VAL:N	10	0.68	0.0	0.68
(2,528)	1:95:C:VAL:N	1:95:D:VAL:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,528)	1:95:A:VAL:N	1:95:B:VAL:N	10	0.68	0.0	0.68
(2,528)	1:95:B:VAL:N	1:95:C:VAL:N	10	0.68	0.0	0.68
(2,529)	1:96:A:LYS:C	1:96:B:LYS:C	10	0.68	0.0	0.68
(2,529)	1:96:D:LYS:C	1:96:E:LYS:C	10	0.68	0.0	0.68
(2,529)	1:96:B:LYS:C	1:96:C:LYS:C	10	0.68	0.0	0.68
(2,529)	1:96:C:LYS:C	1:96:D:LYS:C	10	0.68	0.0	0.68
(2,530)	1:96:A:LYS:CA	1:96:B:LYS:CA	10	0.68	0.0	0.68
(2,530)	1:96:B:LYS:CA	1:96:C:LYS:CA	10	0.68	0.0	0.68
(2,530)	1:96:D:LYS:CA	1:96:E:LYS:CA	10	0.68	0.0	0.68
(2,530)	1:96:C:LYS:CA	1:96:D:LYS:CA	10	0.68	0.0	0.68
(2,532)	1:96:A:LYS:C	1:96:B:LYS:C	10	0.68	0.0	0.68
(2,532)	1:96:D:LYS:C	1:96:E:LYS:C	10	0.68	0.0	0.68
(2,532)	1:96:B:LYS:C	1:96:C:LYS:C	10	0.68	0.0	0.68
(2,532)	1:96:C:LYS:C	1:96:D:LYS:C	10	0.68	0.0	0.68
(2,533)	1:96:A:LYS:CA	1:96:B:LYS:CA	10	0.68	0.0	0.68
(2,533)	1:96:B:LYS:CA	1:96:C:LYS:CA	10	0.68	0.0	0.68
(2,533)	1:96:D:LYS:CA	1:96:E:LYS:CA	10	0.68	0.0	0.68
(2,533)	1:96:C:LYS:CA	1:96:D:LYS:CA	10	0.68	0.0	0.68
(2,535)	1:96:A:LYS:C	1:96:B:LYS:C	10	0.68	0.0	0.68
(2,535)	1:96:D:LYS:C	1:96:E:LYS:C	10	0.68	0.0	0.68
(2,535)	1:96:B:LYS:C	1:96:C:LYS:C	10	0.68	0.0	0.68
(2,535)	1:96:C:LYS:C	1:96:D:LYS:C	10	0.68	0.0	0.68
(2,536)	1:96:A:LYS:CA	1:96:B:LYS:CA	10	0.68	0.0	0.68
(2,536)	1:96:B:LYS:CA	1:96:C:LYS:CA	10	0.68	0.0	0.68
(2,536)	1:96:D:LYS:CA	1:96:E:LYS:CA	10	0.68	0.0	0.68
(2,536)	1:96:C:LYS:CA	1:96:D:LYS:CA	10	0.68	0.0	0.68
(2,538)	1:96:A:LYS:C	1:96:B:LYS:C	10	0.68	0.0	0.68
(2,538)	1:96:D:LYS:C	1:96:E:LYS:C	10	0.68	0.0	0.68
(2,538)	1:96:B:LYS:C	1:96:C:LYS:C	10	0.68	0.0	0.68
(2,538)	1:96:C:LYS:C	1:96:D:LYS:C	10	0.68	0.0	0.68
(2,539)	1:96:A:LYS:CA	1:96:B:LYS:CA	10	0.68	0.0	0.68
(2,539)	1:96:B:LYS:CA	1:96:C:LYS:CA	10	0.68	0.0	0.68
(2,539)	1:96:D:LYS:CA	1:96:E:LYS:CA	10	0.68	0.0	0.68
(2,539)	1:96:C:LYS:CA	1:96:D:LYS:CA	10	0.68	0.0	0.68
(2,541)	1:97:A:LYS:C	1:97:B:LYS:C	10	0.68	0.0	0.68
(2,541)	1:97:D:LYS:C	1:97:E:LYS:C	10	0.68	0.0	0.68
(2,541)	1:97:B:LYS:C	1:97:C:LYS:C	10	0.68	0.0	0.68
(2,541)	1:97:C:LYS:C	1:97:D:LYS:C	10	0.68	0.0	0.68
(2,542)	1:97:D:LYS:CA	1:97:E:LYS:CA	10	0.68	0.0	0.68
(2,542)	1:97:C:LYS:CA	1:97:D:LYS:CA	10	0.68	0.0	0.68
(2,542)	1:97:B:LYS:CA	1:97:C:LYS:CA	10	0.68	0.0	0.68
(2,542)	1:97:A:LYS:CA	1:97:B:LYS:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,543)	1:97:A:LYS:N	1:97:B:LYS:N	10	0.68	0.0	0.68
(2,543)	1:97:D:LYS:N	1:97:E:LYS:N	10	0.68	0.0	0.68
(2,543)	1:97:B:LYS:N	1:97:C:LYS:N	10	0.68	0.0	0.68
(2,543)	1:97:C:LYS:N	1:97:D:LYS:N	10	0.68	0.0	0.68
(2,544)	1:97:A:LYS:C	1:97:B:LYS:C	10	0.68	0.0	0.68
(2,544)	1:97:D:LYS:C	1:97:E:LYS:C	10	0.68	0.0	0.68
(2,544)	1:97:B:LYS:C	1:97:C:LYS:C	10	0.68	0.0	0.68
(2,544)	1:97:C:LYS:C	1:97:D:LYS:C	10	0.68	0.0	0.68
(2,545)	1:97:D:LYS:CA	1:97:E:LYS:CA	10	0.68	0.0	0.68
(2,545)	1:97:C:LYS:CA	1:97:D:LYS:CA	10	0.68	0.0	0.68
(2,545)	1:97:B:LYS:CA	1:97:C:LYS:CA	10	0.68	0.0	0.68
(2,545)	1:97:A:LYS:CA	1:97:B:LYS:CA	10	0.68	0.0	0.68
(2,546)	1:97:A:LYS:N	1:97:B:LYS:N	10	0.68	0.0	0.68
(2,546)	1:97:D:LYS:N	1:97:E:LYS:N	10	0.68	0.0	0.68
(2,546)	1:97:B:LYS:N	1:97:C:LYS:N	10	0.68	0.0	0.68
(2,546)	1:97:C:LYS:N	1:97:D:LYS:N	10	0.68	0.0	0.68
(2,547)	1:97:A:LYS:C	1:97:B:LYS:C	10	0.68	0.0	0.68
(2,547)	1:97:D:LYS:C	1:97:E:LYS:C	10	0.68	0.0	0.68
(2,547)	1:97:B:LYS:C	1:97:C:LYS:C	10	0.68	0.0	0.68
(2,547)	1:97:C:LYS:C	1:97:D:LYS:C	10	0.68	0.0	0.68
(2,548)	1:97:D:LYS:CA	1:97:E:LYS:CA	10	0.68	0.0	0.68
(2,548)	1:97:C:LYS:CA	1:97:D:LYS:CA	10	0.68	0.0	0.68
(2,548)	1:97:B:LYS:CA	1:97:C:LYS:CA	10	0.68	0.0	0.68
(2,548)	1:97:A:LYS:CA	1:97:B:LYS:CA	10	0.68	0.0	0.68
(2,549)	1:97:A:LYS:N	1:97:B:LYS:N	10	0.68	0.0	0.68
(2,549)	1:97:D:LYS:N	1:97:E:LYS:N	10	0.68	0.0	0.68
(2,549)	1:97:B:LYS:N	1:97:C:LYS:N	10	0.68	0.0	0.68
(2,549)	1:97:C:LYS:N	1:97:D:LYS:N	10	0.68	0.0	0.68
(2,550)	1:97:A:LYS:C	1:97:B:LYS:C	10	0.68	0.0	0.68
(2,550)	1:97:D:LYS:C	1:97:E:LYS:C	10	0.68	0.0	0.68
(2,550)	1:97:B:LYS:C	1:97:C:LYS:C	10	0.68	0.0	0.68
(2,550)	1:97:C:LYS:C	1:97:D:LYS:C	10	0.68	0.0	0.68
(2,551)	1:97:D:LYS:CA	1:97:E:LYS:CA	10	0.68	0.0	0.68
(2,551)	1:97:C:LYS:CA	1:97:D:LYS:CA	10	0.68	0.0	0.68
(2,551)	1:97:B:LYS:CA	1:97:C:LYS:CA	10	0.68	0.0	0.68
(2,551)	1:97:A:LYS:CA	1:97:B:LYS:CA	10	0.68	0.0	0.68
(2,552)	1:97:A:LYS:N	1:97:B:LYS:N	10	0.68	0.0	0.68
(2,552)	1:97:D:LYS:N	1:97:E:LYS:N	10	0.68	0.0	0.68
(2,552)	1:97:B:LYS:N	1:97:C:LYS:N	10	0.68	0.0	0.68
(2,552)	1:97:C:LYS:N	1:97:D:LYS:N	10	0.68	0.0	0.68
(2,14)	1:40:A:VAL:CA	1:40:B:VAL:CA	10	0.68	0.0	0.68
(2,14)	1:40:B:VAL:CA	1:40:C:VAL:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,14)	1:40:D:VAL:CA	1:40:E:VAL:CA	10	0.68	0.0	0.68
(2,14)	1:40:C:VAL:CA	1:40:D:VAL:CA	10	0.68	0.0	0.68
(2,17)	1:40:A:VAL:CA	1:40:B:VAL:CA	10	0.68	0.0	0.68
(2,17)	1:40:B:VAL:CA	1:40:C:VAL:CA	10	0.68	0.0	0.68
(2,17)	1:40:D:VAL:CA	1:40:E:VAL:CA	10	0.68	0.0	0.68
(2,17)	1:40:C:VAL:CA	1:40:D:VAL:CA	10	0.68	0.0	0.68
(2,20)	1:40:A:VAL:CA	1:40:B:VAL:CA	10	0.68	0.0	0.68
(2,20)	1:40:B:VAL:CA	1:40:C:VAL:CA	10	0.68	0.0	0.68
(2,20)	1:40:D:VAL:CA	1:40:E:VAL:CA	10	0.68	0.0	0.68
(2,20)	1:40:C:VAL:CA	1:40:D:VAL:CA	10	0.68	0.0	0.68
(2,23)	1:40:A:VAL:CA	1:40:B:VAL:CA	10	0.68	0.0	0.68
(2,23)	1:40:B:VAL:CA	1:40:C:VAL:CA	10	0.68	0.0	0.68
(2,23)	1:40:D:VAL:CA	1:40:E:VAL:CA	10	0.68	0.0	0.68
(2,23)	1:40:C:VAL:CA	1:40:D:VAL:CA	10	0.68	0.0	0.68
(2,26)	1:41:B:GLY:CA	1:41:C:GLY:CA	10	0.68	0.0	0.68
(2,26)	1:41:A:GLY:CA	1:41:B:GLY:CA	10	0.68	0.0	0.68
(2,26)	1:41:C:GLY:CA	1:41:D:GLY:CA	10	0.68	0.0	0.68
(2,26)	1:41:D:GLY:CA	1:41:E:GLY:CA	10	0.68	0.0	0.68
(2,29)	1:41:B:GLY:CA	1:41:C:GLY:CA	10	0.68	0.0	0.68
(2,29)	1:41:A:GLY:CA	1:41:B:GLY:CA	10	0.68	0.0	0.68
(2,29)	1:41:C:GLY:CA	1:41:D:GLY:CA	10	0.68	0.0	0.68
(2,29)	1:41:D:GLY:CA	1:41:E:GLY:CA	10	0.68	0.0	0.68
(2,32)	1:41:B:GLY:CA	1:41:C:GLY:CA	10	0.68	0.0	0.68
(2,32)	1:41:A:GLY:CA	1:41:B:GLY:CA	10	0.68	0.0	0.68
(2,32)	1:41:C:GLY:CA	1:41:D:GLY:CA	10	0.68	0.0	0.68
(2,32)	1:41:D:GLY:CA	1:41:E:GLY:CA	10	0.68	0.0	0.68
(2,35)	1:41:B:GLY:CA	1:41:C:GLY:CA	10	0.68	0.0	0.68
(2,35)	1:41:A:GLY:CA	1:41:B:GLY:CA	10	0.68	0.0	0.68
(2,35)	1:41:C:GLY:CA	1:41:D:GLY:CA	10	0.68	0.0	0.68
(2,35)	1:41:D:GLY:CA	1:41:E:GLY:CA	10	0.68	0.0	0.68
(2,39)	1:43:D:LYS:N	1:43:E:LYS:N	10	0.68	0.0	0.68
(2,39)	1:43:B:LYS:N	1:43:C:LYS:N	10	0.68	0.0	0.68
(2,39)	1:43:A:LYS:N	1:43:B:LYS:N	10	0.68	0.0	0.68
(2,39)	1:43:C:LYS:N	1:43:D:LYS:N	10	0.68	0.0	0.68
(2,42)	1:43:D:LYS:N	1:43:E:LYS:N	10	0.68	0.0	0.68
(2,42)	1:43:B:LYS:N	1:43:C:LYS:N	10	0.68	0.0	0.68
(2,42)	1:43:A:LYS:N	1:43:B:LYS:N	10	0.68	0.0	0.68
(2,42)	1:43:C:LYS:N	1:43:D:LYS:N	10	0.68	0.0	0.68
(2,45)	1:43:D:LYS:N	1:43:E:LYS:N	10	0.68	0.0	0.68
(2,45)	1:43:B:LYS:N	1:43:C:LYS:N	10	0.68	0.0	0.68
(2,45)	1:43:A:LYS:N	1:43:B:LYS:N	10	0.68	0.0	0.68
(2,45)	1:43:C:LYS:N	1:43:D:LYS:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,48)	1:43:D:LYS:N	1:43:E:LYS:N	10	0.68	0.0	0.68
(2,48)	1:43:B:LYS:N	1:43:C:LYS:N	10	0.68	0.0	0.68
(2,48)	1:43:A:LYS:N	1:43:B:LYS:N	10	0.68	0.0	0.68
(2,48)	1:43:C:LYS:N	1:43:D:LYS:N	10	0.68	0.0	0.68
(2,49)	1:44:D:THR:C	1:44:E:THR:C	10	0.68	0.0	0.68
(2,49)	1:44:B:THR:C	1:44:C:THR:C	10	0.68	0.0	0.68
(2,49)	1:44:C:THR:C	1:44:D:THR:C	10	0.68	0.0	0.68
(2,49)	1:44:A:THR:C	1:44:B:THR:C	10	0.68	0.0	0.68
(2,52)	1:44:D:THR:C	1:44:E:THR:C	10	0.68	0.0	0.68
(2,52)	1:44:B:THR:C	1:44:C:THR:C	10	0.68	0.0	0.68
(2,52)	1:44:C:THR:C	1:44:D:THR:C	10	0.68	0.0	0.68
(2,52)	1:44:A:THR:C	1:44:B:THR:C	10	0.68	0.0	0.68
(2,55)	1:44:D:THR:C	1:44:E:THR:C	10	0.68	0.0	0.68
(2,55)	1:44:B:THR:C	1:44:C:THR:C	10	0.68	0.0	0.68
(2,55)	1:44:C:THR:C	1:44:D:THR:C	10	0.68	0.0	0.68
(2,55)	1:44:A:THR:C	1:44:B:THR:C	10	0.68	0.0	0.68
(2,58)	1:44:D:THR:C	1:44:E:THR:C	10	0.68	0.0	0.68
(2,58)	1:44:B:THR:C	1:44:C:THR:C	10	0.68	0.0	0.68
(2,58)	1:44:C:THR:C	1:44:D:THR:C	10	0.68	0.0	0.68
(2,58)	1:44:A:THR:C	1:44:B:THR:C	10	0.68	0.0	0.68
(2,61)	1:45:D:LYS:C	1:45:E:LYS:C	10	0.68	0.0	0.68
(2,61)	1:45:C:LYS:C	1:45:D:LYS:C	10	0.68	0.0	0.68
(2,61)	1:45:B:LYS:C	1:45:C:LYS:C	10	0.68	0.0	0.68
(2,61)	1:45:A:LYS:C	1:45:B:LYS:C	10	0.68	0.0	0.68
(2,64)	1:45:D:LYS:C	1:45:E:LYS:C	10	0.68	0.0	0.68
(2,64)	1:45:C:LYS:C	1:45:D:LYS:C	10	0.68	0.0	0.68
(2,64)	1:45:B:LYS:C	1:45:C:LYS:C	10	0.68	0.0	0.68
(2,64)	1:45:A:LYS:C	1:45:B:LYS:C	10	0.68	0.0	0.68
(2,67)	1:45:D:LYS:C	1:45:E:LYS:C	10	0.68	0.0	0.68
(2,67)	1:45:C:LYS:C	1:45:D:LYS:C	10	0.68	0.0	0.68
(2,67)	1:45:B:LYS:C	1:45:C:LYS:C	10	0.68	0.0	0.68
(2,67)	1:45:A:LYS:C	1:45:B:LYS:C	10	0.68	0.0	0.68
(2,70)	1:45:D:LYS:C	1:45:E:LYS:C	10	0.68	0.0	0.68
(2,70)	1:45:C:LYS:C	1:45:D:LYS:C	10	0.68	0.0	0.68
(2,70)	1:45:B:LYS:C	1:45:C:LYS:C	10	0.68	0.0	0.68
(2,70)	1:45:A:LYS:C	1:45:B:LYS:C	10	0.68	0.0	0.68
(2,73)	1:46:C:GLU:C	1:46:D:GLU:C	10	0.68	0.0	0.68
(2,73)	1:46:B:GLU:C	1:46:C:GLU:C	10	0.68	0.0	0.68
(2,73)	1:46:D:GLU:C	1:46:E:GLU:C	10	0.68	0.0	0.68
(2,73)	1:46:A:GLU:C	1:46:B:GLU:C	10	0.68	0.0	0.68
(2,74)	1:46:C:GLU:CA	1:46:D:GLU:CA	10	0.68	0.0	0.68
(2,74)	1:46:A:GLU:CA	1:46:B:GLU:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,74)	1:46:B:GLU:CA	1:46:C:GLU:CA	10	0.68	0.0	0.68
(2,74)	1:46:D:GLU:CA	1:46:E:GLU:CA	10	0.68	0.0	0.68
(2,76)	1:46:C:GLU:C	1:46:D:GLU:C	10	0.68	0.0	0.68
(2,76)	1:46:B:GLU:C	1:46:C:GLU:C	10	0.68	0.0	0.68
(2,76)	1:46:D:GLU:C	1:46:E:GLU:C	10	0.68	0.0	0.68
(2,76)	1:46:A:GLU:C	1:46:B:GLU:C	10	0.68	0.0	0.68
(2,77)	1:46:C:GLU:CA	1:46:D:GLU:CA	10	0.68	0.0	0.68
(2,77)	1:46:A:GLU:CA	1:46:B:GLU:CA	10	0.68	0.0	0.68
(2,77)	1:46:B:GLU:CA	1:46:C:GLU:CA	10	0.68	0.0	0.68
(2,77)	1:46:D:GLU:CA	1:46:E:GLU:CA	10	0.68	0.0	0.68
(2,79)	1:46:C:GLU:C	1:46:D:GLU:C	10	0.68	0.0	0.68
(2,79)	1:46:B:GLU:C	1:46:C:GLU:C	10	0.68	0.0	0.68
(2,79)	1:46:D:GLU:C	1:46:E:GLU:C	10	0.68	0.0	0.68
(2,79)	1:46:A:GLU:C	1:46:B:GLU:C	10	0.68	0.0	0.68
(2,80)	1:46:C:GLU:CA	1:46:D:GLU:CA	10	0.68	0.0	0.68
(2,80)	1:46:A:GLU:CA	1:46:B:GLU:CA	10	0.68	0.0	0.68
(2,80)	1:46:B:GLU:CA	1:46:C:GLU:CA	10	0.68	0.0	0.68
(2,80)	1:46:D:GLU:CA	1:46:E:GLU:CA	10	0.68	0.0	0.68
(2,82)	1:46:C:GLU:C	1:46:D:GLU:C	10	0.68	0.0	0.68
(2,82)	1:46:B:GLU:C	1:46:C:GLU:C	10	0.68	0.0	0.68
(2,82)	1:46:D:GLU:C	1:46:E:GLU:C	10	0.68	0.0	0.68
(2,82)	1:46:A:GLU:C	1:46:B:GLU:C	10	0.68	0.0	0.68
(2,83)	1:46:C:GLU:CA	1:46:D:GLU:CA	10	0.68	0.0	0.68
(2,83)	1:46:A:GLU:CA	1:46:B:GLU:CA	10	0.68	0.0	0.68
(2,83)	1:46:B:GLU:CA	1:46:C:GLU:CA	10	0.68	0.0	0.68
(2,83)	1:46:D:GLU:CA	1:46:E:GLU:CA	10	0.68	0.0	0.68
(2,85)	1:48:A:VAL:C	1:48:B:VAL:C	10	0.68	0.0	0.68
(2,85)	1:48:C:VAL:C	1:48:D:VAL:C	10	0.68	0.0	0.68
(2,85)	1:48:D:VAL:C	1:48:E:VAL:C	10	0.68	0.0	0.68
(2,86)	1:48:A:VAL:CA	1:48:B:VAL:CA	10	0.68	0.0	0.68
(2,86)	1:48:D:VAL:CA	1:48:E:VAL:CA	10	0.68	0.0	0.68
(2,86)	1:48:C:VAL:CA	1:48:D:VAL:CA	10	0.68	0.0	0.68
(2,86)	1:48:B:VAL:CA	1:48:C:VAL:CA	10	0.68	0.0	0.68
(2,88)	1:48:A:VAL:C	1:48:B:VAL:C	10	0.68	0.0	0.68
(2,88)	1:48:C:VAL:C	1:48:D:VAL:C	10	0.68	0.0	0.68
(2,88)	1:48:D:VAL:C	1:48:E:VAL:C	10	0.68	0.0	0.68
(2,89)	1:48:A:VAL:CA	1:48:B:VAL:CA	10	0.68	0.0	0.68
(2,89)	1:48:D:VAL:CA	1:48:E:VAL:CA	10	0.68	0.0	0.68
(2,89)	1:48:C:VAL:CA	1:48:D:VAL:CA	10	0.68	0.0	0.68
(2,89)	1:48:B:VAL:CA	1:48:C:VAL:CA	10	0.68	0.0	0.68
(2,91)	1:48:A:VAL:C	1:48:B:VAL:C	10	0.68	0.0	0.68
(2,91)	1:48:C:VAL:C	1:48:D:VAL:C	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,91)	1:48:D:VAL:C	1:48:E:VAL:C	10	0.68	0.0	0.68
(2,92)	1:48:A:VAL:CA	1:48:B:VAL:CA	10	0.68	0.0	0.68
(2,92)	1:48:D:VAL:CA	1:48:E:VAL:CA	10	0.68	0.0	0.68
(2,92)	1:48:C:VAL:CA	1:48:D:VAL:CA	10	0.68	0.0	0.68
(2,92)	1:48:B:VAL:CA	1:48:C:VAL:CA	10	0.68	0.0	0.68
(2,94)	1:48:A:VAL:C	1:48:B:VAL:C	10	0.68	0.0	0.68
(2,94)	1:48:C:VAL:C	1:48:D:VAL:C	10	0.68	0.0	0.68
(2,94)	1:48:D:VAL:C	1:48:E:VAL:C	10	0.68	0.0	0.68
(2,95)	1:48:A:VAL:CA	1:48:B:VAL:CA	10	0.68	0.0	0.68
(2,95)	1:48:D:VAL:CA	1:48:E:VAL:CA	10	0.68	0.0	0.68
(2,95)	1:48:C:VAL:CA	1:48:D:VAL:CA	10	0.68	0.0	0.68
(2,95)	1:48:B:VAL:CA	1:48:C:VAL:CA	10	0.68	0.0	0.68
(2,97)	1:49:D:VAL:C	1:49:E:VAL:C	10	0.68	0.0	0.68
(2,97)	1:49:C:VAL:C	1:49:D:VAL:C	10	0.68	0.0	0.68
(2,97)	1:49:A:VAL:C	1:49:B:VAL:C	10	0.68	0.0	0.68
(2,100)	1:49:D:VAL:C	1:49:E:VAL:C	10	0.68	0.0	0.68
(2,100)	1:49:C:VAL:C	1:49:D:VAL:C	10	0.68	0.0	0.68
(2,100)	1:49:A:VAL:C	1:49:B:VAL:C	10	0.68	0.0	0.68
(2,103)	1:49:D:VAL:C	1:49:E:VAL:C	10	0.68	0.0	0.68
(2,103)	1:49:C:VAL:C	1:49:D:VAL:C	10	0.68	0.0	0.68
(2,103)	1:49:A:VAL:C	1:49:B:VAL:C	10	0.68	0.0	0.68
(2,106)	1:49:D:VAL:C	1:49:E:VAL:C	10	0.68	0.0	0.68
(2,106)	1:49:C:VAL:C	1:49:D:VAL:C	10	0.68	0.0	0.68
(2,106)	1:49:A:VAL:C	1:49:B:VAL:C	10	0.68	0.0	0.68
(2,121)	1:52:D:VAL:C	1:52:E:VAL:C	10	0.68	0.0	0.68
(2,121)	1:52:C:VAL:C	1:52:D:VAL:C	10	0.68	0.0	0.68
(2,121)	1:52:B:VAL:C	1:52:C:VAL:C	10	0.68	0.0	0.68
(2,121)	1:52:A:VAL:C	1:52:B:VAL:C	10	0.68	0.0	0.68
(2,123)	1:52:B:VAL:N	1:52:C:VAL:N	10	0.68	0.0	0.68
(2,123)	1:52:C:VAL:N	1:52:D:VAL:N	10	0.68	0.0	0.68
(2,123)	1:52:A:VAL:N	1:52:B:VAL:N	10	0.68	0.0	0.68
(2,123)	1:52:D:VAL:N	1:52:E:VAL:N	10	0.68	0.0	0.68
(2,124)	1:52:D:VAL:C	1:52:E:VAL:C	10	0.68	0.0	0.68
(2,124)	1:52:C:VAL:C	1:52:D:VAL:C	10	0.68	0.0	0.68
(2,124)	1:52:B:VAL:C	1:52:C:VAL:C	10	0.68	0.0	0.68
(2,124)	1:52:A:VAL:C	1:52:B:VAL:C	10	0.68	0.0	0.68
(2,126)	1:52:B:VAL:N	1:52:C:VAL:N	10	0.68	0.0	0.68
(2,126)	1:52:C:VAL:N	1:52:D:VAL:N	10	0.68	0.0	0.68
(2,126)	1:52:A:VAL:N	1:52:B:VAL:N	10	0.68	0.0	0.68
(2,126)	1:52:D:VAL:N	1:52:E:VAL:N	10	0.68	0.0	0.68
(2,127)	1:52:D:VAL:C	1:52:E:VAL:C	10	0.68	0.0	0.68
(2,127)	1:52:C:VAL:C	1:52:D:VAL:C	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,127)	1:52:B:VAL:C	1:52:C:VAL:C	10	0.68	0.0	0.68
(2,127)	1:52:A:VAL:C	1:52:B:VAL:C	10	0.68	0.0	0.68
(2,129)	1:52:B:VAL:N	1:52:C:VAL:N	10	0.68	0.0	0.68
(2,129)	1:52:C:VAL:N	1:52:D:VAL:N	10	0.68	0.0	0.68
(2,129)	1:52:A:VAL:N	1:52:B:VAL:N	10	0.68	0.0	0.68
(2,129)	1:52:D:VAL:N	1:52:E:VAL:N	10	0.68	0.0	0.68
(2,130)	1:52:D:VAL:C	1:52:E:VAL:C	10	0.68	0.0	0.68
(2,130)	1:52:C:VAL:C	1:52:D:VAL:C	10	0.68	0.0	0.68
(2,130)	1:52:B:VAL:C	1:52:C:VAL:C	10	0.68	0.0	0.68
(2,130)	1:52:A:VAL:C	1:52:B:VAL:C	10	0.68	0.0	0.68
(2,132)	1:52:B:VAL:N	1:52:C:VAL:N	10	0.68	0.0	0.68
(2,132)	1:52:C:VAL:N	1:52:D:VAL:N	10	0.68	0.0	0.68
(2,132)	1:52:A:VAL:N	1:52:B:VAL:N	10	0.68	0.0	0.68
(2,132)	1:52:D:VAL:N	1:52:E:VAL:N	10	0.68	0.0	0.68
(2,134)	1:53:A:ALA:CA	1:53:B:ALA:CA	10	0.68	0.0	0.68
(2,134)	1:53:C:ALA:CA	1:53:D:ALA:CA	10	0.68	0.0	0.68
(2,134)	1:53:B:ALA:CA	1:53:C:ALA:CA	10	0.68	0.0	0.68
(2,134)	1:53:D:ALA:CA	1:53:E:ALA:CA	10	0.68	0.0	0.68
(2,137)	1:53:A:ALA:CA	1:53:B:ALA:CA	10	0.68	0.0	0.68
(2,137)	1:53:C:ALA:CA	1:53:D:ALA:CA	10	0.68	0.0	0.68
(2,137)	1:53:B:ALA:CA	1:53:C:ALA:CA	10	0.68	0.0	0.68
(2,137)	1:53:D:ALA:CA	1:53:E:ALA:CA	10	0.68	0.0	0.68
(2,140)	1:53:A:ALA:CA	1:53:B:ALA:CA	10	0.68	0.0	0.68
(2,140)	1:53:C:ALA:CA	1:53:D:ALA:CA	10	0.68	0.0	0.68
(2,140)	1:53:B:ALA:CA	1:53:C:ALA:CA	10	0.68	0.0	0.68
(2,140)	1:53:D:ALA:CA	1:53:E:ALA:CA	10	0.68	0.0	0.68
(2,143)	1:53:A:ALA:CA	1:53:B:ALA:CA	10	0.68	0.0	0.68
(2,143)	1:53:C:ALA:CA	1:53:D:ALA:CA	10	0.68	0.0	0.68
(2,143)	1:53:B:ALA:CA	1:53:C:ALA:CA	10	0.68	0.0	0.68
(2,143)	1:53:D:ALA:CA	1:53:E:ALA:CA	10	0.68	0.0	0.68
(2,147)	1:54:D:THR:N	1:54:E:THR:N	10	0.68	0.0	0.68
(2,147)	1:54:B:THR:N	1:54:C:THR:N	10	0.68	0.0	0.68
(2,147)	1:54:C:THR:N	1:54:D:THR:N	10	0.68	0.0	0.68
(2,147)	1:54:A:THR:N	1:54:B:THR:N	10	0.68	0.0	0.68
(2,150)	1:54:D:THR:N	1:54:E:THR:N	10	0.68	0.0	0.68
(2,150)	1:54:B:THR:N	1:54:C:THR:N	10	0.68	0.0	0.68
(2,150)	1:54:C:THR:N	1:54:D:THR:N	10	0.68	0.0	0.68
(2,150)	1:54:A:THR:N	1:54:B:THR:N	10	0.68	0.0	0.68
(2,153)	1:54:D:THR:N	1:54:E:THR:N	10	0.68	0.0	0.68
(2,153)	1:54:B:THR:N	1:54:C:THR:N	10	0.68	0.0	0.68
(2,153)	1:54:C:THR:N	1:54:D:THR:N	10	0.68	0.0	0.68
(2,153)	1:54:A:THR:N	1:54:B:THR:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,156)	1:54:D:THR:N	1:54:E:THR:N	10	0.68	0.0	0.68
(2,156)	1:54:B:THR:N	1:54:C:THR:N	10	0.68	0.0	0.68
(2,156)	1:54:C:THR:N	1:54:D:THR:N	10	0.68	0.0	0.68
(2,156)	1:54:A:THR:N	1:54:B:THR:N	10	0.68	0.0	0.68
(2,157)	1:55:D:VAL:C	1:55:E:VAL:C	10	0.68	0.0	0.68
(2,157)	1:55:A:VAL:C	1:55:B:VAL:C	10	0.68	0.0	0.68
(2,157)	1:55:C:VAL:C	1:55:D:VAL:C	10	0.68	0.0	0.68
(2,160)	1:55:D:VAL:C	1:55:E:VAL:C	10	0.68	0.0	0.68
(2,160)	1:55:A:VAL:C	1:55:B:VAL:C	10	0.68	0.0	0.68
(2,160)	1:55:C:VAL:C	1:55:D:VAL:C	10	0.68	0.0	0.68
(2,163)	1:55:D:VAL:C	1:55:E:VAL:C	10	0.68	0.0	0.68
(2,163)	1:55:A:VAL:C	1:55:B:VAL:C	10	0.68	0.0	0.68
(2,163)	1:55:C:VAL:C	1:55:D:VAL:C	10	0.68	0.0	0.68
(2,166)	1:55:D:VAL:C	1:55:E:VAL:C	10	0.68	0.0	0.68
(2,166)	1:55:A:VAL:C	1:55:B:VAL:C	10	0.68	0.0	0.68
(2,166)	1:55:C:VAL:C	1:55:D:VAL:C	10	0.68	0.0	0.68
(2,169)	1:56:B:ALA:C	1:56:C:ALA:C	10	0.68	0.0	0.68
(2,169)	1:56:C:ALA:C	1:56:D:ALA:C	10	0.68	0.0	0.68
(2,169)	1:56:D:ALA:C	1:56:E:ALA:C	10	0.68	0.0	0.68
(2,169)	1:56:A:ALA:C	1:56:B:ALA:C	10	0.68	0.0	0.68
(2,172)	1:56:B:ALA:C	1:56:C:ALA:C	10	0.68	0.0	0.68
(2,172)	1:56:C:ALA:C	1:56:D:ALA:C	10	0.68	0.0	0.68
(2,172)	1:56:D:ALA:C	1:56:E:ALA:C	10	0.68	0.0	0.68
(2,172)	1:56:A:ALA:C	1:56:B:ALA:C	10	0.68	0.0	0.68
(2,175)	1:56:B:ALA:C	1:56:C:ALA:C	10	0.68	0.0	0.68
(2,175)	1:56:C:ALA:C	1:56:D:ALA:C	10	0.68	0.0	0.68
(2,175)	1:56:D:ALA:C	1:56:E:ALA:C	10	0.68	0.0	0.68
(2,175)	1:56:A:ALA:C	1:56:B:ALA:C	10	0.68	0.0	0.68
(2,178)	1:56:B:ALA:C	1:56:C:ALA:C	10	0.68	0.0	0.68
(2,178)	1:56:C:ALA:C	1:56:D:ALA:C	10	0.68	0.0	0.68
(2,178)	1:56:D:ALA:C	1:56:E:ALA:C	10	0.68	0.0	0.68
(2,178)	1:56:A:ALA:C	1:56:B:ALA:C	10	0.68	0.0	0.68
(2,183)	1:57:A:GLU:N	1:57:B:GLU:N	10	0.68	0.0	0.68
(2,183)	1:57:C:GLU:N	1:57:D:GLU:N	10	0.68	0.0	0.68
(2,183)	1:57:B:GLU:N	1:57:C:GLU:N	10	0.68	0.0	0.68
(2,183)	1:57:D:GLU:N	1:57:E:GLU:N	10	0.68	0.0	0.68
(2,186)	1:57:A:GLU:N	1:57:B:GLU:N	10	0.68	0.0	0.68
(2,186)	1:57:C:GLU:N	1:57:D:GLU:N	10	0.68	0.0	0.68
(2,186)	1:57:B:GLU:N	1:57:C:GLU:N	10	0.68	0.0	0.68
(2,186)	1:57:D:GLU:N	1:57:E:GLU:N	10	0.68	0.0	0.68
(2,189)	1:57:A:GLU:N	1:57:B:GLU:N	10	0.68	0.0	0.68
(2,189)	1:57:C:GLU:N	1:57:D:GLU:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,189)	1:57:B:GLU:N	1:57:C:GLU:N	10	0.68	0.0	0.68
(2,189)	1:57:D:GLU:N	1:57:E:GLU:N	10	0.68	0.0	0.68
(2,192)	1:57:A:GLU:N	1:57:B:GLU:N	10	0.68	0.0	0.68
(2,192)	1:57:C:GLU:N	1:57:D:GLU:N	10	0.68	0.0	0.68
(2,192)	1:57:B:GLU:N	1:57:C:GLU:N	10	0.68	0.0	0.68
(2,192)	1:57:D:GLU:N	1:57:E:GLU:N	10	0.68	0.0	0.68
(2,193)	1:58:D:LYS:C	1:58:E:LYS:C	10	0.68	0.0	0.68
(2,193)	1:58:A:LYS:C	1:58:B:LYS:C	10	0.68	0.0	0.68
(2,193)	1:58:C:LYS:C	1:58:D:LYS:C	10	0.68	0.0	0.68
(2,193)	1:58:B:LYS:C	1:58:C:LYS:C	10	0.68	0.0	0.68
(2,196)	1:58:D:LYS:C	1:58:E:LYS:C	10	0.68	0.0	0.68
(2,196)	1:58:A:LYS:C	1:58:B:LYS:C	10	0.68	0.0	0.68
(2,196)	1:58:C:LYS:C	1:58:D:LYS:C	10	0.68	0.0	0.68
(2,196)	1:58:B:LYS:C	1:58:C:LYS:C	10	0.68	0.0	0.68
(2,199)	1:58:D:LYS:C	1:58:E:LYS:C	10	0.68	0.0	0.68
(2,199)	1:58:A:LYS:C	1:58:B:LYS:C	10	0.68	0.0	0.68
(2,199)	1:58:C:LYS:C	1:58:D:LYS:C	10	0.68	0.0	0.68
(2,199)	1:58:B:LYS:C	1:58:C:LYS:C	10	0.68	0.0	0.68
(2,202)	1:58:D:LYS:C	1:58:E:LYS:C	10	0.68	0.0	0.68
(2,202)	1:58:A:LYS:C	1:58:B:LYS:C	10	0.68	0.0	0.68
(2,202)	1:58:C:LYS:C	1:58:D:LYS:C	10	0.68	0.0	0.68
(2,202)	1:58:B:LYS:C	1:58:C:LYS:C	10	0.68	0.0	0.68
(2,206)	1:59:A:THR:CA	1:59:B:THR:CA	10	0.68	0.0	0.68
(2,206)	1:59:B:THR:CA	1:59:C:THR:CA	10	0.68	0.0	0.68
(2,206)	1:59:C:THR:CA	1:59:D:THR:CA	10	0.68	0.0	0.68
(2,206)	1:59:D:THR:CA	1:59:E:THR:CA	10	0.68	0.0	0.68
(2,209)	1:59:A:THR:CA	1:59:B:THR:CA	10	0.68	0.0	0.68
(2,209)	1:59:B:THR:CA	1:59:C:THR:CA	10	0.68	0.0	0.68
(2,209)	1:59:C:THR:CA	1:59:D:THR:CA	10	0.68	0.0	0.68
(2,209)	1:59:D:THR:CA	1:59:E:THR:CA	10	0.68	0.0	0.68
(2,212)	1:59:A:THR:CA	1:59:B:THR:CA	10	0.68	0.0	0.68
(2,212)	1:59:B:THR:CA	1:59:C:THR:CA	10	0.68	0.0	0.68
(2,212)	1:59:C:THR:CA	1:59:D:THR:CA	10	0.68	0.0	0.68
(2,212)	1:59:D:THR:CA	1:59:E:THR:CA	10	0.68	0.0	0.68
(2,215)	1:59:A:THR:CA	1:59:B:THR:CA	10	0.68	0.0	0.68
(2,215)	1:59:B:THR:CA	1:59:C:THR:CA	10	0.68	0.0	0.68
(2,215)	1:59:C:THR:CA	1:59:D:THR:CA	10	0.68	0.0	0.68
(2,215)	1:59:D:THR:CA	1:59:E:THR:CA	10	0.68	0.0	0.68
(2,229)	1:61:D:GLU:C	1:61:E:GLU:C	10	0.68	0.0	0.68
(2,229)	1:61:B:GLU:C	1:61:C:GLU:C	10	0.68	0.0	0.68
(2,229)	1:61:C:GLU:C	1:61:D:GLU:C	10	0.68	0.0	0.68
(2,229)	1:61:A:GLU:C	1:61:B:GLU:C	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,232)	1:61:D:GLU:C	1:61:E:GLU:C	10	0.68	0.0	0.68
(2,232)	1:61:B:GLU:C	1:61:C:GLU:C	10	0.68	0.0	0.68
(2,232)	1:61:C:GLU:C	1:61:D:GLU:C	10	0.68	0.0	0.68
(2,232)	1:61:A:GLU:C	1:61:B:GLU:C	10	0.68	0.0	0.68
(2,235)	1:61:D:GLU:C	1:61:E:GLU:C	10	0.68	0.0	0.68
(2,235)	1:61:B:GLU:C	1:61:C:GLU:C	10	0.68	0.0	0.68
(2,235)	1:61:C:GLU:C	1:61:D:GLU:C	10	0.68	0.0	0.68
(2,235)	1:61:A:GLU:C	1:61:B:GLU:C	10	0.68	0.0	0.68
(2,238)	1:61:D:GLU:C	1:61:E:GLU:C	10	0.68	0.0	0.68
(2,238)	1:61:B:GLU:C	1:61:C:GLU:C	10	0.68	0.0	0.68
(2,238)	1:61:C:GLU:C	1:61:D:GLU:C	10	0.68	0.0	0.68
(2,238)	1:61:A:GLU:C	1:61:B:GLU:C	10	0.68	0.0	0.68
(2,241)	1:62:C:GLN:C	1:62:D:GLN:C	10	0.68	0.0	0.68
(2,241)	1:62:D:GLN:C	1:62:E:GLN:C	10	0.68	0.0	0.68
(2,241)	1:62:A:GLN:C	1:62:B:GLN:C	10	0.68	0.0	0.68
(2,242)	1:62:A:GLN:CA	1:62:B:GLN:CA	10	0.68	0.0	0.68
(2,242)	1:62:B:GLN:CA	1:62:C:GLN:CA	10	0.68	0.0	0.68
(2,242)	1:62:D:GLN:CA	1:62:E:GLN:CA	10	0.68	0.0	0.68
(2,242)	1:62:C:GLN:CA	1:62:D:GLN:CA	10	0.68	0.0	0.68
(2,243)	1:62:D:GLN:N	1:62:E:GLN:N	10	0.68	0.0	0.68
(2,243)	1:62:A:GLN:N	1:62:B:GLN:N	10	0.68	0.0	0.68
(2,243)	1:62:C:GLN:N	1:62:D:GLN:N	10	0.68	0.0	0.68
(2,243)	1:62:B:GLN:N	1:62:C:GLN:N	10	0.68	0.0	0.68
(2,244)	1:62:C:GLN:C	1:62:D:GLN:C	10	0.68	0.0	0.68
(2,244)	1:62:D:GLN:C	1:62:E:GLN:C	10	0.68	0.0	0.68
(2,244)	1:62:A:GLN:C	1:62:B:GLN:C	10	0.68	0.0	0.68
(2,245)	1:62:A:GLN:CA	1:62:B:GLN:CA	10	0.68	0.0	0.68
(2,245)	1:62:B:GLN:CA	1:62:C:GLN:CA	10	0.68	0.0	0.68
(2,245)	1:62:D:GLN:CA	1:62:E:GLN:CA	10	0.68	0.0	0.68
(2,245)	1:62:C:GLN:CA	1:62:D:GLN:CA	10	0.68	0.0	0.68
(2,246)	1:62:D:GLN:N	1:62:E:GLN:N	10	0.68	0.0	0.68
(2,246)	1:62:A:GLN:N	1:62:B:GLN:N	10	0.68	0.0	0.68
(2,246)	1:62:C:GLN:N	1:62:D:GLN:N	10	0.68	0.0	0.68
(2,246)	1:62:B:GLN:N	1:62:C:GLN:N	10	0.68	0.0	0.68
(2,247)	1:62:C:GLN:C	1:62:D:GLN:C	10	0.68	0.0	0.68
(2,247)	1:62:D:GLN:C	1:62:E:GLN:C	10	0.68	0.0	0.68
(2,247)	1:62:A:GLN:C	1:62:B:GLN:C	10	0.68	0.0	0.68
(2,248)	1:62:A:GLN:CA	1:62:B:GLN:CA	10	0.68	0.0	0.68
(2,248)	1:62:B:GLN:CA	1:62:C:GLN:CA	10	0.68	0.0	0.68
(2,248)	1:62:D:GLN:CA	1:62:E:GLN:CA	10	0.68	0.0	0.68
(2,248)	1:62:C:GLN:CA	1:62:D:GLN:CA	10	0.68	0.0	0.68
(2,249)	1:62:D:GLN:N	1:62:E:GLN:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,249)	1:62:A:GLN:N	1:62:B:GLN:N	10	0.68	0.0	0.68
(2,249)	1:62:C:GLN:N	1:62:D:GLN:N	10	0.68	0.0	0.68
(2,249)	1:62:B:GLN:N	1:62:C:GLN:N	10	0.68	0.0	0.68
(2,250)	1:62:C:GLN:C	1:62:D:GLN:C	10	0.68	0.0	0.68
(2,250)	1:62:D:GLN:C	1:62:E:GLN:C	10	0.68	0.0	0.68
(2,250)	1:62:A:GLN:C	1:62:B:GLN:C	10	0.68	0.0	0.68
(2,251)	1:62:A:GLN:CA	1:62:B:GLN:CA	10	0.68	0.0	0.68
(2,251)	1:62:B:GLN:CA	1:62:C:GLN:CA	10	0.68	0.0	0.68
(2,251)	1:62:D:GLN:CA	1:62:E:GLN:CA	10	0.68	0.0	0.68
(2,251)	1:62:C:GLN:CA	1:62:D:GLN:CA	10	0.68	0.0	0.68
(2,252)	1:62:D:GLN:N	1:62:E:GLN:N	10	0.68	0.0	0.68
(2,252)	1:62:A:GLN:N	1:62:B:GLN:N	10	0.68	0.0	0.68
(2,252)	1:62:C:GLN:N	1:62:D:GLN:N	10	0.68	0.0	0.68
(2,252)	1:62:B:GLN:N	1:62:C:GLN:N	10	0.68	0.0	0.68
(2,253)	1:63:D:VAL:C	1:63:E:VAL:C	10	0.68	0.0	0.68
(2,253)	1:63:B:VAL:C	1:63:C:VAL:C	10	0.68	0.0	0.68
(2,253)	1:63:A:VAL:C	1:63:B:VAL:C	10	0.68	0.0	0.68
(2,253)	1:63:C:VAL:C	1:63:D:VAL:C	10	0.68	0.0	0.68
(2,254)	1:63:A:VAL:CA	1:63:B:VAL:CA	10	0.68	0.0	0.68
(2,254)	1:63:D:VAL:CA	1:63:E:VAL:CA	10	0.68	0.0	0.68
(2,254)	1:63:C:VAL:CA	1:63:D:VAL:CA	10	0.68	0.0	0.68
(2,254)	1:63:B:VAL:CA	1:63:C:VAL:CA	10	0.68	0.0	0.68
(2,256)	1:63:D:VAL:C	1:63:E:VAL:C	10	0.68	0.0	0.68
(2,256)	1:63:B:VAL:C	1:63:C:VAL:C	10	0.68	0.0	0.68
(2,256)	1:63:A:VAL:C	1:63:B:VAL:C	10	0.68	0.0	0.68
(2,256)	1:63:C:VAL:C	1:63:D:VAL:C	10	0.68	0.0	0.68
(2,257)	1:63:A:VAL:CA	1:63:B:VAL:CA	10	0.68	0.0	0.68
(2,257)	1:63:D:VAL:CA	1:63:E:VAL:CA	10	0.68	0.0	0.68
(2,257)	1:63:C:VAL:CA	1:63:D:VAL:CA	10	0.68	0.0	0.68
(2,257)	1:63:B:VAL:CA	1:63:C:VAL:CA	10	0.68	0.0	0.68
(2,259)	1:63:D:VAL:C	1:63:E:VAL:C	10	0.68	0.0	0.68
(2,259)	1:63:B:VAL:C	1:63:C:VAL:C	10	0.68	0.0	0.68
(2,259)	1:63:A:VAL:C	1:63:B:VAL:C	10	0.68	0.0	0.68
(2,259)	1:63:C:VAL:C	1:63:D:VAL:C	10	0.68	0.0	0.68
(2,260)	1:63:A:VAL:CA	1:63:B:VAL:CA	10	0.68	0.0	0.68
(2,260)	1:63:D:VAL:CA	1:63:E:VAL:CA	10	0.68	0.0	0.68
(2,260)	1:63:C:VAL:CA	1:63:D:VAL:CA	10	0.68	0.0	0.68
(2,260)	1:63:B:VAL:CA	1:63:C:VAL:CA	10	0.68	0.0	0.68
(2,262)	1:63:D:VAL:C	1:63:E:VAL:C	10	0.68	0.0	0.68
(2,262)	1:63:B:VAL:C	1:63:C:VAL:C	10	0.68	0.0	0.68
(2,262)	1:63:A:VAL:C	1:63:B:VAL:C	10	0.68	0.0	0.68
(2,262)	1:63:C:VAL:C	1:63:D:VAL:C	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,263)	1:63:A:VAL:CA	1:63:B:VAL:CA	10	0.68	0.0	0.68
(2,263)	1:63:D:VAL:CA	1:63:E:VAL:CA	10	0.68	0.0	0.68
(2,263)	1:63:C:VAL:CA	1:63:D:VAL:CA	10	0.68	0.0	0.68
(2,263)	1:63:B:VAL:CA	1:63:C:VAL:CA	10	0.68	0.0	0.68
(2,267)	1:64:C:THR:N	1:64:D:THR:N	10	0.68	0.0	0.68
(2,267)	1:64:D:THR:N	1:64:E:THR:N	10	0.68	0.0	0.68
(2,267)	1:64:A:THR:N	1:64:B:THR:N	10	0.68	0.0	0.68
(2,267)	1:64:B:THR:N	1:64:C:THR:N	10	0.68	0.0	0.68
(2,270)	1:64:C:THR:N	1:64:D:THR:N	10	0.68	0.0	0.68
(2,270)	1:64:D:THR:N	1:64:E:THR:N	10	0.68	0.0	0.68
(2,270)	1:64:A:THR:N	1:64:B:THR:N	10	0.68	0.0	0.68
(2,270)	1:64:B:THR:N	1:64:C:THR:N	10	0.68	0.0	0.68
(2,273)	1:64:C:THR:N	1:64:D:THR:N	10	0.68	0.0	0.68
(2,273)	1:64:D:THR:N	1:64:E:THR:N	10	0.68	0.0	0.68
(2,273)	1:64:A:THR:N	1:64:B:THR:N	10	0.68	0.0	0.68
(2,273)	1:64:B:THR:N	1:64:C:THR:N	10	0.68	0.0	0.68
(2,276)	1:64:C:THR:N	1:64:D:THR:N	10	0.68	0.0	0.68
(2,276)	1:64:D:THR:N	1:64:E:THR:N	10	0.68	0.0	0.68
(2,276)	1:64:A:THR:N	1:64:B:THR:N	10	0.68	0.0	0.68
(2,276)	1:64:B:THR:N	1:64:C:THR:N	10	0.68	0.0	0.68
(2,277)	1:65:B:ASN:C	1:65:C:ASN:C	10	0.68	0.0	0.68
(2,277)	1:65:C:ASN:C	1:65:D:ASN:C	10	0.68	0.0	0.68
(2,277)	1:65:A:ASN:C	1:65:B:ASN:C	10	0.68	0.0	0.68
(2,277)	1:65:D:ASN:C	1:65:E:ASN:C	10	0.68	0.0	0.68
(2,280)	1:65:B:ASN:C	1:65:C:ASN:C	10	0.68	0.0	0.68
(2,280)	1:65:C:ASN:C	1:65:D:ASN:C	10	0.68	0.0	0.68
(2,280)	1:65:A:ASN:C	1:65:B:ASN:C	10	0.68	0.0	0.68
(2,280)	1:65:D:ASN:C	1:65:E:ASN:C	10	0.68	0.0	0.68
(2,283)	1:65:B:ASN:C	1:65:C:ASN:C	10	0.68	0.0	0.68
(2,283)	1:65:C:ASN:C	1:65:D:ASN:C	10	0.68	0.0	0.68
(2,283)	1:65:A:ASN:C	1:65:B:ASN:C	10	0.68	0.0	0.68
(2,283)	1:65:D:ASN:C	1:65:E:ASN:C	10	0.68	0.0	0.68
(2,286)	1:65:B:ASN:C	1:65:C:ASN:C	10	0.68	0.0	0.68
(2,286)	1:65:C:ASN:C	1:65:D:ASN:C	10	0.68	0.0	0.68
(2,286)	1:65:A:ASN:C	1:65:B:ASN:C	10	0.68	0.0	0.68
(2,286)	1:65:D:ASN:C	1:65:E:ASN:C	10	0.68	0.0	0.68
(2,289)	1:66:D:VAL:C	1:66:E:VAL:C	10	0.68	0.0	0.68
(2,289)	1:66:B:VAL:C	1:66:C:VAL:C	10	0.68	0.0	0.68
(2,289)	1:66:A:VAL:C	1:66:B:VAL:C	10	0.68	0.0	0.68
(2,289)	1:66:C:VAL:C	1:66:D:VAL:C	10	0.68	0.0	0.68
(2,292)	1:66:D:VAL:C	1:66:E:VAL:C	10	0.68	0.0	0.68
(2,292)	1:66:B:VAL:C	1:66:C:VAL:C	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,292)	1:66:A:VAL:C	1:66:B:VAL:C	10	0.68	0.0	0.68
(2,292)	1:66:C:VAL:C	1:66:D:VAL:C	10	0.68	0.0	0.68
(2,295)	1:66:D:VAL:C	1:66:E:VAL:C	10	0.68	0.0	0.68
(2,295)	1:66:B:VAL:C	1:66:C:VAL:C	10	0.68	0.0	0.68
(2,295)	1:66:A:VAL:C	1:66:B:VAL:C	10	0.68	0.0	0.68
(2,295)	1:66:C:VAL:C	1:66:D:VAL:C	10	0.68	0.0	0.68
(2,298)	1:66:D:VAL:C	1:66:E:VAL:C	10	0.68	0.0	0.68
(2,298)	1:66:B:VAL:C	1:66:C:VAL:C	10	0.68	0.0	0.68
(2,298)	1:66:A:VAL:C	1:66:B:VAL:C	10	0.68	0.0	0.68
(2,298)	1:66:C:VAL:C	1:66:D:VAL:C	10	0.68	0.0	0.68
(2,303)	1:69:D:ALA:N	1:69:E:ALA:N	10	0.68	0.0	0.68
(2,303)	1:69:B:ALA:N	1:69:C:ALA:N	10	0.68	0.0	0.68
(2,303)	1:69:A:ALA:N	1:69:B:ALA:N	10	0.68	0.0	0.68
(2,303)	1:69:C:ALA:N	1:69:D:ALA:N	10	0.68	0.0	0.68
(2,306)	1:69:D:ALA:N	1:69:E:ALA:N	10	0.68	0.0	0.68
(2,306)	1:69:B:ALA:N	1:69:C:ALA:N	10	0.68	0.0	0.68
(2,306)	1:69:A:ALA:N	1:69:B:ALA:N	10	0.68	0.0	0.68
(2,306)	1:69:C:ALA:N	1:69:D:ALA:N	10	0.68	0.0	0.68
(2,309)	1:69:D:ALA:N	1:69:E:ALA:N	10	0.68	0.0	0.68
(2,309)	1:69:B:ALA:N	1:69:C:ALA:N	10	0.68	0.0	0.68
(2,309)	1:69:A:ALA:N	1:69:B:ALA:N	10	0.68	0.0	0.68
(2,309)	1:69:C:ALA:N	1:69:D:ALA:N	10	0.68	0.0	0.68
(2,312)	1:69:D:ALA:N	1:69:E:ALA:N	10	0.68	0.0	0.68
(2,312)	1:69:B:ALA:N	1:69:C:ALA:N	10	0.68	0.0	0.68
(2,312)	1:69:A:ALA:N	1:69:B:ALA:N	10	0.68	0.0	0.68
(2,312)	1:69:C:ALA:N	1:69:D:ALA:N	10	0.68	0.0	0.68
(2,325)	1:71:A:VAL:C	1:71:B:VAL:C	10	0.68	0.0	0.68
(2,325)	1:71:B:VAL:C	1:71:C:VAL:C	10	0.68	0.0	0.68
(2,325)	1:71:C:VAL:C	1:71:D:VAL:C	10	0.68	0.0	0.68
(2,325)	1:71:D:VAL:C	1:71:E:VAL:C	10	0.68	0.0	0.68
(2,327)	1:71:A:VAL:N	1:71:B:VAL:N	10	0.68	0.0	0.68
(2,327)	1:71:C:VAL:N	1:71:D:VAL:N	10	0.68	0.0	0.68
(2,327)	1:71:B:VAL:N	1:71:C:VAL:N	10	0.68	0.0	0.68
(2,327)	1:71:D:VAL:N	1:71:E:VAL:N	10	0.68	0.0	0.68
(2,328)	1:71:A:VAL:C	1:71:B:VAL:C	10	0.68	0.0	0.68
(2,328)	1:71:B:VAL:C	1:71:C:VAL:C	10	0.68	0.0	0.68
(2,328)	1:71:C:VAL:C	1:71:D:VAL:C	10	0.68	0.0	0.68
(2,328)	1:71:D:VAL:C	1:71:E:VAL:C	10	0.68	0.0	0.68
(2,330)	1:71:A:VAL:N	1:71:B:VAL:N	10	0.68	0.0	0.68
(2,330)	1:71:C:VAL:N	1:71:D:VAL:N	10	0.68	0.0	0.68
(2,330)	1:71:B:VAL:N	1:71:C:VAL:N	10	0.68	0.0	0.68
(2,330)	1:71:D:VAL:N	1:71:E:VAL:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,331)	1:71:A:VAL:C	1:71:B:VAL:C	10	0.68	0.0	0.68
(2,331)	1:71:B:VAL:C	1:71:C:VAL:C	10	0.68	0.0	0.68
(2,331)	1:71:C:VAL:C	1:71:D:VAL:C	10	0.68	0.0	0.68
(2,331)	1:71:D:VAL:C	1:71:E:VAL:C	10	0.68	0.0	0.68
(2,333)	1:71:A:VAL:N	1:71:B:VAL:N	10	0.68	0.0	0.68
(2,333)	1:71:C:VAL:N	1:71:D:VAL:N	10	0.68	0.0	0.68
(2,333)	1:71:B:VAL:N	1:71:C:VAL:N	10	0.68	0.0	0.68
(2,333)	1:71:D:VAL:N	1:71:E:VAL:N	10	0.68	0.0	0.68
(2,334)	1:71:A:VAL:C	1:71:B:VAL:C	10	0.68	0.0	0.68
(2,334)	1:71:B:VAL:C	1:71:C:VAL:C	10	0.68	0.0	0.68
(2,334)	1:71:C:VAL:C	1:71:D:VAL:C	10	0.68	0.0	0.68
(2,334)	1:71:D:VAL:C	1:71:E:VAL:C	10	0.68	0.0	0.68
(2,336)	1:71:A:VAL:N	1:71:B:VAL:N	10	0.68	0.0	0.68
(2,336)	1:71:C:VAL:N	1:71:D:VAL:N	10	0.68	0.0	0.68
(2,336)	1:71:B:VAL:N	1:71:C:VAL:N	10	0.68	0.0	0.68
(2,336)	1:71:D:VAL:N	1:71:E:VAL:N	10	0.68	0.0	0.68
(2,338)	1:72:C:THR:CA	1:72:D:THR:CA	10	0.68	0.0	0.68
(2,338)	1:72:B:THR:CA	1:72:C:THR:CA	10	0.68	0.0	0.68
(2,338)	1:72:A:THR:CA	1:72:B:THR:CA	10	0.68	0.0	0.68
(2,338)	1:72:D:THR:CA	1:72:E:THR:CA	10	0.68	0.0	0.68
(2,339)	1:72:C:THR:N	1:72:D:THR:N	10	0.68	0.0	0.68
(2,339)	1:72:A:THR:N	1:72:B:THR:N	10	0.68	0.0	0.68
(2,339)	1:72:D:THR:N	1:72:E:THR:N	10	0.68	0.0	0.68
(2,341)	1:72:C:THR:CA	1:72:D:THR:CA	10	0.68	0.0	0.68
(2,341)	1:72:B:THR:CA	1:72:C:THR:CA	10	0.68	0.0	0.68
(2,341)	1:72:A:THR:CA	1:72:B:THR:CA	10	0.68	0.0	0.68
(2,341)	1:72:D:THR:CA	1:72:E:THR:CA	10	0.68	0.0	0.68
(2,342)	1:72:C:THR:N	1:72:D:THR:N	10	0.68	0.0	0.68
(2,342)	1:72:A:THR:N	1:72:B:THR:N	10	0.68	0.0	0.68
(2,342)	1:72:D:THR:N	1:72:E:THR:N	10	0.68	0.0	0.68
(2,344)	1:72:C:THR:CA	1:72:D:THR:CA	10	0.68	0.0	0.68
(2,344)	1:72:B:THR:CA	1:72:C:THR:CA	10	0.68	0.0	0.68
(2,344)	1:72:A:THR:CA	1:72:B:THR:CA	10	0.68	0.0	0.68
(2,344)	1:72:D:THR:CA	1:72:E:THR:CA	10	0.68	0.0	0.68
(2,345)	1:72:C:THR:N	1:72:D:THR:N	10	0.68	0.0	0.68
(2,345)	1:72:A:THR:N	1:72:B:THR:N	10	0.68	0.0	0.68
(2,345)	1:72:D:THR:N	1:72:E:THR:N	10	0.68	0.0	0.68
(2,347)	1:72:C:THR:CA	1:72:D:THR:CA	10	0.68	0.0	0.68
(2,347)	1:72:B:THR:CA	1:72:C:THR:CA	10	0.68	0.0	0.68
(2,347)	1:72:A:THR:CA	1:72:B:THR:CA	10	0.68	0.0	0.68
(2,347)	1:72:D:THR:CA	1:72:E:THR:CA	10	0.68	0.0	0.68
(2,348)	1:72:C:THR:N	1:72:D:THR:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,348)	1:72:A:THR:N	1:72:B:THR:N	10	0.68	0.0	0.68
(2,348)	1:72:D:THR:N	1:72:E:THR:N	10	0.68	0.0	0.68
(2,361)	1:75:C:THR:C	1:75:D:THR:C	10	0.68	0.0	0.68
(2,361)	1:75:B:THR:C	1:75:C:THR:C	10	0.68	0.0	0.68
(2,361)	1:75:A:THR:C	1:75:B:THR:C	10	0.68	0.0	0.68
(2,361)	1:75:D:THR:C	1:75:E:THR:C	10	0.68	0.0	0.68
(2,363)	1:75:B:THR:N	1:75:C:THR:N	10	0.68	0.0	0.68
(2,363)	1:75:C:THR:N	1:75:D:THR:N	10	0.68	0.0	0.68
(2,363)	1:75:D:THR:N	1:75:E:THR:N	10	0.68	0.0	0.68
(2,364)	1:75:C:THR:C	1:75:D:THR:C	10	0.68	0.0	0.68
(2,364)	1:75:B:THR:C	1:75:C:THR:C	10	0.68	0.0	0.68
(2,364)	1:75:A:THR:C	1:75:B:THR:C	10	0.68	0.0	0.68
(2,364)	1:75:D:THR:C	1:75:E:THR:C	10	0.68	0.0	0.68
(2,366)	1:75:B:THR:N	1:75:C:THR:N	10	0.68	0.0	0.68
(2,366)	1:75:C:THR:N	1:75:D:THR:N	10	0.68	0.0	0.68
(2,366)	1:75:D:THR:N	1:75:E:THR:N	10	0.68	0.0	0.68
(2,367)	1:75:C:THR:C	1:75:D:THR:C	10	0.68	0.0	0.68
(2,367)	1:75:B:THR:C	1:75:C:THR:C	10	0.68	0.0	0.68
(2,367)	1:75:A:THR:C	1:75:B:THR:C	10	0.68	0.0	0.68
(2,367)	1:75:D:THR:C	1:75:E:THR:C	10	0.68	0.0	0.68
(2,369)	1:75:B:THR:N	1:75:C:THR:N	10	0.68	0.0	0.68
(2,369)	1:75:C:THR:N	1:75:D:THR:N	10	0.68	0.0	0.68
(2,369)	1:75:D:THR:N	1:75:E:THR:N	10	0.68	0.0	0.68
(2,370)	1:75:C:THR:C	1:75:D:THR:C	10	0.68	0.0	0.68
(2,370)	1:75:B:THR:C	1:75:C:THR:C	10	0.68	0.0	0.68
(2,370)	1:75:A:THR:C	1:75:B:THR:C	10	0.68	0.0	0.68
(2,370)	1:75:D:THR:C	1:75:E:THR:C	10	0.68	0.0	0.68
(2,372)	1:75:B:THR:N	1:75:C:THR:N	10	0.68	0.0	0.68
(2,372)	1:75:C:THR:N	1:75:D:THR:N	10	0.68	0.0	0.68
(2,372)	1:75:D:THR:N	1:75:E:THR:N	10	0.68	0.0	0.68
(2,374)	1:76:A:ALA:CA	1:76:B:ALA:CA	10	0.68	0.0	0.68
(2,374)	1:76:B:ALA:CA	1:76:C:ALA:CA	10	0.68	0.0	0.68
(2,374)	1:76:C:ALA:CA	1:76:D:ALA:CA	10	0.68	0.0	0.68
(2,374)	1:76:D:ALA:CA	1:76:E:ALA:CA	10	0.68	0.0	0.68
(2,377)	1:76:A:ALA:CA	1:76:B:ALA:CA	10	0.68	0.0	0.68
(2,377)	1:76:B:ALA:CA	1:76:C:ALA:CA	10	0.68	0.0	0.68
(2,377)	1:76:C:ALA:CA	1:76:D:ALA:CA	10	0.68	0.0	0.68
(2,377)	1:76:D:ALA:CA	1:76:E:ALA:CA	10	0.68	0.0	0.68
(2,380)	1:76:A:ALA:CA	1:76:B:ALA:CA	10	0.68	0.0	0.68
(2,380)	1:76:B:ALA:CA	1:76:C:ALA:CA	10	0.68	0.0	0.68
(2,380)	1:76:C:ALA:CA	1:76:D:ALA:CA	10	0.68	0.0	0.68
(2,380)	1:76:D:ALA:CA	1:76:E:ALA:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,383)	1:76:A:ALA:CA	1:76:B:ALA:CA	10	0.68	0.0	0.68
(2,383)	1:76:B:ALA:CA	1:76:C:ALA:CA	10	0.68	0.0	0.68
(2,383)	1:76:C:ALA:CA	1:76:D:ALA:CA	10	0.68	0.0	0.68
(2,383)	1:76:D:ALA:CA	1:76:E:ALA:CA	10	0.68	0.0	0.68
(2,387)	1:77:A:VAL:N	1:77:B:VAL:N	10	0.68	0.0	0.68
(2,387)	1:77:D:VAL:N	1:77:E:VAL:N	10	0.68	0.0	0.68
(2,387)	1:77:C:VAL:N	1:77:D:VAL:N	10	0.68	0.0	0.68
(2,387)	1:77:B:VAL:N	1:77:C:VAL:N	10	0.68	0.0	0.68
(2,390)	1:77:A:VAL:N	1:77:B:VAL:N	10	0.68	0.0	0.68
(2,390)	1:77:D:VAL:N	1:77:E:VAL:N	10	0.68	0.0	0.68
(2,390)	1:77:C:VAL:N	1:77:D:VAL:N	10	0.68	0.0	0.68
(2,390)	1:77:B:VAL:N	1:77:C:VAL:N	10	0.68	0.0	0.68
(2,393)	1:77:A:VAL:N	1:77:B:VAL:N	10	0.68	0.0	0.68
(2,393)	1:77:D:VAL:N	1:77:E:VAL:N	10	0.68	0.0	0.68
(2,393)	1:77:C:VAL:N	1:77:D:VAL:N	10	0.68	0.0	0.68
(2,393)	1:77:B:VAL:N	1:77:C:VAL:N	10	0.68	0.0	0.68
(2,396)	1:77:A:VAL:N	1:77:B:VAL:N	10	0.68	0.0	0.68
(2,396)	1:77:D:VAL:N	1:77:E:VAL:N	10	0.68	0.0	0.68
(2,396)	1:77:C:VAL:N	1:77:D:VAL:N	10	0.68	0.0	0.68
(2,396)	1:77:B:VAL:N	1:77:C:VAL:N	10	0.68	0.0	0.68
(2,411)	1:79:B:GLN:N	1:79:C:GLN:N	10	0.68	0.0	0.68
(2,411)	1:79:D:GLN:N	1:79:E:GLN:N	10	0.68	0.0	0.68
(2,411)	1:79:A:GLN:N	1:79:B:GLN:N	10	0.68	0.0	0.68
(2,411)	1:79:C:GLN:N	1:79:D:GLN:N	10	0.68	0.0	0.68
(2,414)	1:79:B:GLN:N	1:79:C:GLN:N	10	0.68	0.0	0.68
(2,414)	1:79:D:GLN:N	1:79:E:GLN:N	10	0.68	0.0	0.68
(2,414)	1:79:A:GLN:N	1:79:B:GLN:N	10	0.68	0.0	0.68
(2,414)	1:79:C:GLN:N	1:79:D:GLN:N	10	0.68	0.0	0.68
(2,417)	1:79:B:GLN:N	1:79:C:GLN:N	10	0.68	0.0	0.68
(2,417)	1:79:D:GLN:N	1:79:E:GLN:N	10	0.68	0.0	0.68
(2,417)	1:79:A:GLN:N	1:79:B:GLN:N	10	0.68	0.0	0.68
(2,417)	1:79:C:GLN:N	1:79:D:GLN:N	10	0.68	0.0	0.68
(2,420)	1:79:B:GLN:N	1:79:C:GLN:N	10	0.68	0.0	0.68
(2,420)	1:79:D:GLN:N	1:79:E:GLN:N	10	0.68	0.0	0.68
(2,420)	1:79:A:GLN:N	1:79:B:GLN:N	10	0.68	0.0	0.68
(2,420)	1:79:C:GLN:N	1:79:D:GLN:N	10	0.68	0.0	0.68
(2,421)	1:80:B:LYS:C	1:80:C:LYS:C	10	0.68	0.0	0.68
(2,421)	1:80:A:LYS:C	1:80:B:LYS:C	10	0.68	0.0	0.68
(2,421)	1:80:C:LYS:C	1:80:D:LYS:C	10	0.68	0.0	0.68
(2,421)	1:80:D:LYS:C	1:80:E:LYS:C	10	0.68	0.0	0.68
(2,424)	1:80:B:LYS:C	1:80:C:LYS:C	10	0.68	0.0	0.68
(2,424)	1:80:A:LYS:C	1:80:B:LYS:C	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,424)	1:80:C:LYS:C	1:80:D:LYS:C	10	0.68	0.0	0.68
(2,424)	1:80:D:LYS:C	1:80:E:LYS:C	10	0.68	0.0	0.68
(2,427)	1:80:B:LYS:C	1:80:C:LYS:C	10	0.68	0.0	0.68
(2,427)	1:80:A:LYS:C	1:80:B:LYS:C	10	0.68	0.0	0.68
(2,427)	1:80:C:LYS:C	1:80:D:LYS:C	10	0.68	0.0	0.68
(2,427)	1:80:D:LYS:C	1:80:E:LYS:C	10	0.68	0.0	0.68
(2,430)	1:80:B:LYS:C	1:80:C:LYS:C	10	0.68	0.0	0.68
(2,430)	1:80:A:LYS:C	1:80:B:LYS:C	10	0.68	0.0	0.68
(2,430)	1:80:C:LYS:C	1:80:D:LYS:C	10	0.68	0.0	0.68
(2,430)	1:80:D:LYS:C	1:80:E:LYS:C	10	0.68	0.0	0.68
(2,458)	1:83:D:GLU:CA	1:83:E:GLU:CA	10	0.68	0.0	0.68
(2,458)	1:83:B:GLU:CA	1:83:C:GLU:CA	10	0.68	0.0	0.68
(2,458)	1:83:A:GLU:CA	1:83:B:GLU:CA	10	0.68	0.0	0.68
(2,458)	1:83:C:GLU:CA	1:83:D:GLU:CA	10	0.68	0.0	0.68
(2,461)	1:83:D:GLU:CA	1:83:E:GLU:CA	10	0.68	0.0	0.68
(2,461)	1:83:B:GLU:CA	1:83:C:GLU:CA	10	0.68	0.0	0.68
(2,461)	1:83:A:GLU:CA	1:83:B:GLU:CA	10	0.68	0.0	0.68
(2,461)	1:83:C:GLU:CA	1:83:D:GLU:CA	10	0.68	0.0	0.68
(2,464)	1:83:D:GLU:CA	1:83:E:GLU:CA	10	0.68	0.0	0.68
(2,464)	1:83:B:GLU:CA	1:83:C:GLU:CA	10	0.68	0.0	0.68
(2,464)	1:83:A:GLU:CA	1:83:B:GLU:CA	10	0.68	0.0	0.68
(2,464)	1:83:C:GLU:CA	1:83:D:GLU:CA	10	0.68	0.0	0.68
(2,467)	1:83:D:GLU:CA	1:83:E:GLU:CA	10	0.68	0.0	0.68
(2,467)	1:83:B:GLU:CA	1:83:C:GLU:CA	10	0.68	0.0	0.68
(2,467)	1:83:A:GLU:CA	1:83:B:GLU:CA	10	0.68	0.0	0.68
(2,467)	1:83:C:GLU:CA	1:83:D:GLU:CA	10	0.68	0.0	0.68
(2,481)	1:91:D:ALA:C	1:91:E:ALA:C	10	0.68	0.0	0.68
(2,481)	1:91:B:ALA:C	1:91:C:ALA:C	10	0.68	0.0	0.68
(2,481)	1:91:C:ALA:C	1:91:D:ALA:C	10	0.68	0.0	0.68
(2,484)	1:91:D:ALA:C	1:91:E:ALA:C	10	0.68	0.0	0.68
(2,484)	1:91:B:ALA:C	1:91:C:ALA:C	10	0.68	0.0	0.68
(2,484)	1:91:C:ALA:C	1:91:D:ALA:C	10	0.68	0.0	0.68
(2,487)	1:91:D:ALA:C	1:91:E:ALA:C	10	0.68	0.0	0.68
(2,487)	1:91:B:ALA:C	1:91:C:ALA:C	10	0.68	0.0	0.68
(2,487)	1:91:C:ALA:C	1:91:D:ALA:C	10	0.68	0.0	0.68
(2,490)	1:91:D:ALA:C	1:91:E:ALA:C	10	0.68	0.0	0.68
(2,490)	1:91:B:ALA:C	1:91:C:ALA:C	10	0.68	0.0	0.68
(2,490)	1:91:C:ALA:C	1:91:D:ALA:C	10	0.68	0.0	0.68
(2,518)	1:95:C:VAL:CA	1:95:D:VAL:CA	10	0.68	0.0	0.68
(2,518)	1:95:D:VAL:CA	1:95:E:VAL:CA	10	0.68	0.0	0.68
(2,518)	1:95:A:VAL:CA	1:95:B:VAL:CA	10	0.68	0.0	0.68
(2,521)	1:95:C:VAL:CA	1:95:D:VAL:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,521)	1:95:D:VAL:CA	1:95:E:VAL:CA	10	0.68	0.0	0.68
(2,521)	1:95:A:VAL:CA	1:95:B:VAL:CA	10	0.68	0.0	0.68
(2,524)	1:95:C:VAL:CA	1:95:D:VAL:CA	10	0.68	0.0	0.68
(2,524)	1:95:D:VAL:CA	1:95:E:VAL:CA	10	0.68	0.0	0.68
(2,524)	1:95:A:VAL:CA	1:95:B:VAL:CA	10	0.68	0.0	0.68
(2,527)	1:95:C:VAL:CA	1:95:D:VAL:CA	10	0.68	0.0	0.68
(2,527)	1:95:D:VAL:CA	1:95:E:VAL:CA	10	0.68	0.0	0.68
(2,527)	1:95:A:VAL:CA	1:95:B:VAL:CA	10	0.68	0.0	0.68
(2,13)	1:40:A:VAL:C	1:40:B:VAL:C	10	0.68	0.0	0.68
(2,13)	1:40:B:VAL:C	1:40:C:VAL:C	10	0.68	0.0	0.68
(2,13)	1:40:C:VAL:C	1:40:D:VAL:C	10	0.68	0.0	0.68
(2,13)	1:40:D:VAL:C	1:40:E:VAL:C	10	0.68	0.0	0.68
(2,16)	1:40:A:VAL:C	1:40:B:VAL:C	10	0.68	0.0	0.68
(2,16)	1:40:B:VAL:C	1:40:C:VAL:C	10	0.68	0.0	0.68
(2,16)	1:40:C:VAL:C	1:40:D:VAL:C	10	0.68	0.0	0.68
(2,16)	1:40:D:VAL:C	1:40:E:VAL:C	10	0.68	0.0	0.68
(2,19)	1:40:A:VAL:C	1:40:B:VAL:C	10	0.68	0.0	0.68
(2,19)	1:40:B:VAL:C	1:40:C:VAL:C	10	0.68	0.0	0.68
(2,19)	1:40:C:VAL:C	1:40:D:VAL:C	10	0.68	0.0	0.68
(2,19)	1:40:D:VAL:C	1:40:E:VAL:C	10	0.68	0.0	0.68
(2,22)	1:40:A:VAL:C	1:40:B:VAL:C	10	0.68	0.0	0.68
(2,22)	1:40:B:VAL:C	1:40:C:VAL:C	10	0.68	0.0	0.68
(2,22)	1:40:C:VAL:C	1:40:D:VAL:C	10	0.68	0.0	0.68
(2,22)	1:40:D:VAL:C	1:40:E:VAL:C	10	0.68	0.0	0.68
(2,50)	1:44:C:THR:CA	1:44:D:THR:CA	10	0.68	0.0	0.68
(2,50)	1:44:A:THR:CA	1:44:B:THR:CA	10	0.68	0.0	0.68
(2,50)	1:44:B:THR:CA	1:44:C:THR:CA	10	0.68	0.0	0.68
(2,50)	1:44:D:THR:CA	1:44:E:THR:CA	10	0.68	0.0	0.68
(2,53)	1:44:C:THR:CA	1:44:D:THR:CA	10	0.68	0.0	0.68
(2,53)	1:44:A:THR:CA	1:44:B:THR:CA	10	0.68	0.0	0.68
(2,53)	1:44:B:THR:CA	1:44:C:THR:CA	10	0.68	0.0	0.68
(2,53)	1:44:D:THR:CA	1:44:E:THR:CA	10	0.68	0.0	0.68
(2,56)	1:44:C:THR:CA	1:44:D:THR:CA	10	0.68	0.0	0.68
(2,56)	1:44:A:THR:CA	1:44:B:THR:CA	10	0.68	0.0	0.68
(2,56)	1:44:B:THR:CA	1:44:C:THR:CA	10	0.68	0.0	0.68
(2,56)	1:44:D:THR:CA	1:44:E:THR:CA	10	0.68	0.0	0.68
(2,59)	1:44:C:THR:CA	1:44:D:THR:CA	10	0.68	0.0	0.68
(2,59)	1:44:A:THR:CA	1:44:B:THR:CA	10	0.68	0.0	0.68
(2,59)	1:44:B:THR:CA	1:44:C:THR:CA	10	0.68	0.0	0.68
(2,59)	1:44:D:THR:CA	1:44:E:THR:CA	10	0.68	0.0	0.68
(2,75)	1:46:A:GLU:N	1:46:B:GLU:N	10	0.68	0.0	0.68
(2,75)	1:46:D:GLU:N	1:46:E:GLU:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,75)	1:46:C:GLU:N	1:46:D:GLU:N	10	0.68	0.0	0.68
(2,78)	1:46:A:GLU:N	1:46:B:GLU:N	10	0.68	0.0	0.68
(2,78)	1:46:D:GLU:N	1:46:E:GLU:N	10	0.68	0.0	0.68
(2,78)	1:46:C:GLU:N	1:46:D:GLU:N	10	0.68	0.0	0.68
(2,81)	1:46:A:GLU:N	1:46:B:GLU:N	10	0.68	0.0	0.68
(2,81)	1:46:D:GLU:N	1:46:E:GLU:N	10	0.68	0.0	0.68
(2,81)	1:46:C:GLU:N	1:46:D:GLU:N	10	0.68	0.0	0.68
(2,84)	1:46:A:GLU:N	1:46:B:GLU:N	10	0.68	0.0	0.68
(2,84)	1:46:D:GLU:N	1:46:E:GLU:N	10	0.68	0.0	0.68
(2,84)	1:46:C:GLU:N	1:46:D:GLU:N	10	0.68	0.0	0.68
(2,98)	1:49:A:VAL:CA	1:49:B:VAL:CA	10	0.68	0.0	0.68
(2,98)	1:49:D:VAL:CA	1:49:E:VAL:CA	10	0.68	0.0	0.68
(2,98)	1:49:B:VAL:CA	1:49:C:VAL:CA	10	0.68	0.0	0.68
(2,98)	1:49:C:VAL:CA	1:49:D:VAL:CA	10	0.68	0.0	0.68
(2,101)	1:49:A:VAL:CA	1:49:B:VAL:CA	10	0.68	0.0	0.68
(2,101)	1:49:D:VAL:CA	1:49:E:VAL:CA	10	0.68	0.0	0.68
(2,101)	1:49:B:VAL:CA	1:49:C:VAL:CA	10	0.68	0.0	0.68
(2,101)	1:49:C:VAL:CA	1:49:D:VAL:CA	10	0.68	0.0	0.68
(2,104)	1:49:A:VAL:CA	1:49:B:VAL:CA	10	0.68	0.0	0.68
(2,104)	1:49:D:VAL:CA	1:49:E:VAL:CA	10	0.68	0.0	0.68
(2,104)	1:49:B:VAL:CA	1:49:C:VAL:CA	10	0.68	0.0	0.68
(2,104)	1:49:C:VAL:CA	1:49:D:VAL:CA	10	0.68	0.0	0.68
(2,107)	1:49:A:VAL:CA	1:49:B:VAL:CA	10	0.68	0.0	0.68
(2,107)	1:49:D:VAL:CA	1:49:E:VAL:CA	10	0.68	0.0	0.68
(2,107)	1:49:B:VAL:CA	1:49:C:VAL:CA	10	0.68	0.0	0.68
(2,107)	1:49:C:VAL:CA	1:49:D:VAL:CA	10	0.68	0.0	0.68
(2,111)	1:50:A:HIS:N	1:50:B:HIS:N	10	0.68	0.0	0.68
(2,111)	1:50:D:HIS:N	1:50:E:HIS:N	10	0.68	0.0	0.68
(2,111)	1:50:B:HIS:N	1:50:C:HIS:N	10	0.68	0.0	0.68
(2,114)	1:50:A:HIS:N	1:50:B:HIS:N	10	0.68	0.0	0.68
(2,114)	1:50:D:HIS:N	1:50:E:HIS:N	10	0.68	0.0	0.68
(2,114)	1:50:B:HIS:N	1:50:C:HIS:N	10	0.68	0.0	0.68
(2,117)	1:50:A:HIS:N	1:50:B:HIS:N	10	0.68	0.0	0.68
(2,117)	1:50:D:HIS:N	1:50:E:HIS:N	10	0.68	0.0	0.68
(2,117)	1:50:B:HIS:N	1:50:C:HIS:N	10	0.68	0.0	0.68
(2,120)	1:50:A:HIS:N	1:50:B:HIS:N	10	0.68	0.0	0.68
(2,120)	1:50:D:HIS:N	1:50:E:HIS:N	10	0.68	0.0	0.68
(2,120)	1:50:B:HIS:N	1:50:C:HIS:N	10	0.68	0.0	0.68
(2,231)	1:61:D:GLU:N	1:61:E:GLU:N	10	0.68	0.0	0.68
(2,231)	1:61:A:GLU:N	1:61:B:GLU:N	10	0.68	0.0	0.68
(2,231)	1:61:C:GLU:N	1:61:D:GLU:N	10	0.68	0.0	0.68
(2,234)	1:61:D:GLU:N	1:61:E:GLU:N	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,234)	1:61:A:GLU:N	1:61:B:GLU:N	10	0.68	0.0	0.68
(2,234)	1:61:C:GLU:N	1:61:D:GLU:N	10	0.68	0.0	0.68
(2,237)	1:61:D:GLU:N	1:61:E:GLU:N	10	0.68	0.0	0.68
(2,237)	1:61:A:GLU:N	1:61:B:GLU:N	10	0.68	0.0	0.68
(2,237)	1:61:C:GLU:N	1:61:D:GLU:N	10	0.68	0.0	0.68
(2,240)	1:61:D:GLU:N	1:61:E:GLU:N	10	0.68	0.0	0.68
(2,240)	1:61:A:GLU:N	1:61:B:GLU:N	10	0.68	0.0	0.68
(2,240)	1:61:C:GLU:N	1:61:D:GLU:N	10	0.68	0.0	0.68
(2,279)	1:65:B:ASN:N	1:65:C:ASN:N	10	0.68	0.0	0.68
(2,279)	1:65:C:ASN:N	1:65:D:ASN:N	10	0.68	0.0	0.68
(2,279)	1:65:D:ASN:N	1:65:E:ASN:N	10	0.68	0.0	0.68
(2,279)	1:65:A:ASN:N	1:65:B:ASN:N	10	0.68	0.0	0.68
(2,282)	1:65:B:ASN:N	1:65:C:ASN:N	10	0.68	0.0	0.68
(2,282)	1:65:C:ASN:N	1:65:D:ASN:N	10	0.68	0.0	0.68
(2,282)	1:65:D:ASN:N	1:65:E:ASN:N	10	0.68	0.0	0.68
(2,282)	1:65:A:ASN:N	1:65:B:ASN:N	10	0.68	0.0	0.68
(2,285)	1:65:B:ASN:N	1:65:C:ASN:N	10	0.68	0.0	0.68
(2,285)	1:65:C:ASN:N	1:65:D:ASN:N	10	0.68	0.0	0.68
(2,285)	1:65:D:ASN:N	1:65:E:ASN:N	10	0.68	0.0	0.68
(2,285)	1:65:A:ASN:N	1:65:B:ASN:N	10	0.68	0.0	0.68
(2,288)	1:65:B:ASN:N	1:65:C:ASN:N	10	0.68	0.0	0.68
(2,288)	1:65:C:ASN:N	1:65:D:ASN:N	10	0.68	0.0	0.68
(2,288)	1:65:D:ASN:N	1:65:E:ASN:N	10	0.68	0.0	0.68
(2,288)	1:65:A:ASN:N	1:65:B:ASN:N	10	0.68	0.0	0.68
(2,326)	1:71:D:VAL:CA	1:71:E:VAL:CA	10	0.68	0.0	0.68
(2,326)	1:71:C:VAL:CA	1:71:D:VAL:CA	10	0.68	0.0	0.68
(2,326)	1:71:B:VAL:CA	1:71:C:VAL:CA	10	0.68	0.0	0.68
(2,329)	1:71:D:VAL:CA	1:71:E:VAL:CA	10	0.68	0.0	0.68
(2,329)	1:71:C:VAL:CA	1:71:D:VAL:CA	10	0.68	0.0	0.68
(2,329)	1:71:B:VAL:CA	1:71:C:VAL:CA	10	0.68	0.0	0.68
(2,332)	1:71:D:VAL:CA	1:71:E:VAL:CA	10	0.68	0.0	0.68
(2,332)	1:71:C:VAL:CA	1:71:D:VAL:CA	10	0.68	0.0	0.68
(2,332)	1:71:B:VAL:CA	1:71:C:VAL:CA	10	0.68	0.0	0.68
(2,335)	1:71:D:VAL:CA	1:71:E:VAL:CA	10	0.68	0.0	0.68
(2,335)	1:71:C:VAL:CA	1:71:D:VAL:CA	10	0.68	0.0	0.68
(2,335)	1:71:B:VAL:CA	1:71:C:VAL:CA	10	0.68	0.0	0.68
(2,362)	1:75:A:THR:CA	1:75:B:THR:CA	10	0.68	0.0	0.68
(2,362)	1:75:B:THR:CA	1:75:C:THR:CA	10	0.68	0.0	0.68
(2,362)	1:75:C:THR:CA	1:75:D:THR:CA	10	0.68	0.0	0.68
(2,362)	1:75:D:THR:CA	1:75:E:THR:CA	10	0.68	0.0	0.68
(2,365)	1:75:A:THR:CA	1:75:B:THR:CA	10	0.68	0.0	0.68
(2,365)	1:75:B:THR:CA	1:75:C:THR:CA	10	0.68	0.0	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,365)	1:75:C:THR:CA	1:75:D:THR:CA	10	0.68	0.0	0.68
(2,365)	1:75:D:THR:CA	1:75:E:THR:CA	10	0.68	0.0	0.68
(2,368)	1:75:A:THR:CA	1:75:B:THR:CA	10	0.68	0.0	0.68
(2,368)	1:75:B:THR:CA	1:75:C:THR:CA	10	0.68	0.0	0.68
(2,368)	1:75:C:THR:CA	1:75:D:THR:CA	10	0.68	0.0	0.68
(2,368)	1:75:D:THR:CA	1:75:E:THR:CA	10	0.68	0.0	0.68
(2,371)	1:75:A:THR:CA	1:75:B:THR:CA	10	0.68	0.0	0.68
(2,371)	1:75:B:THR:CA	1:75:C:THR:CA	10	0.68	0.0	0.68
(2,371)	1:75:C:THR:CA	1:75:D:THR:CA	10	0.68	0.0	0.68
(2,371)	1:75:D:THR:CA	1:75:E:THR:CA	10	0.68	0.0	0.68
(2,434)	1:81:C:THR:CA	1:81:D:THR:CA	10	0.68	0.0	0.68
(2,434)	1:81:D:THR:CA	1:81:E:THR:CA	10	0.68	0.0	0.68
(2,434)	1:81:A:THR:CA	1:81:B:THR:CA	10	0.68	0.0	0.68
(2,437)	1:81:C:THR:CA	1:81:D:THR:CA	10	0.68	0.0	0.68
(2,437)	1:81:D:THR:CA	1:81:E:THR:CA	10	0.68	0.0	0.68
(2,437)	1:81:A:THR:CA	1:81:B:THR:CA	10	0.68	0.0	0.68
(2,440)	1:81:C:THR:CA	1:81:D:THR:CA	10	0.68	0.0	0.68
(2,440)	1:81:D:THR:CA	1:81:E:THR:CA	10	0.68	0.0	0.68
(2,440)	1:81:A:THR:CA	1:81:B:THR:CA	10	0.68	0.0	0.68
(2,443)	1:81:C:THR:CA	1:81:D:THR:CA	10	0.68	0.0	0.68
(2,443)	1:81:D:THR:CA	1:81:E:THR:CA	10	0.68	0.0	0.68
(2,443)	1:81:A:THR:CA	1:81:B:THR:CA	10	0.68	0.0	0.68
(2,482)	1:91:C:ALA:CA	1:91:D:ALA:CA	10	0.68	0.0	0.68
(2,482)	1:91:D:ALA:CA	1:91:E:ALA:CA	10	0.68	0.0	0.68
(2,482)	1:91:B:ALA:CA	1:91:C:ALA:CA	10	0.68	0.0	0.68
(2,482)	1:91:A:ALA:CA	1:91:B:ALA:CA	10	0.68	0.0	0.68
(2,485)	1:91:C:ALA:CA	1:91:D:ALA:CA	10	0.68	0.0	0.68
(2,485)	1:91:D:ALA:CA	1:91:E:ALA:CA	10	0.68	0.0	0.68
(2,485)	1:91:B:ALA:CA	1:91:C:ALA:CA	10	0.68	0.0	0.68
(2,485)	1:91:A:ALA:CA	1:91:B:ALA:CA	10	0.68	0.0	0.68
(2,488)	1:91:C:ALA:CA	1:91:D:ALA:CA	10	0.68	0.0	0.68
(2,488)	1:91:D:ALA:CA	1:91:E:ALA:CA	10	0.68	0.0	0.68
(2,488)	1:91:B:ALA:CA	1:91:C:ALA:CA	10	0.68	0.0	0.68
(2,488)	1:91:A:ALA:CA	1:91:B:ALA:CA	10	0.68	0.0	0.68
(2,491)	1:91:C:ALA:CA	1:91:D:ALA:CA	10	0.68	0.0	0.68
(2,491)	1:91:D:ALA:CA	1:91:E:ALA:CA	10	0.68	0.0	0.68
(2,491)	1:91:B:ALA:CA	1:91:C:ALA:CA	10	0.68	0.0	0.68
(2,491)	1:91:A:ALA:CA	1:91:B:ALA:CA	10	0.68	0.0	0.68
(1,2283)	1:79:A:GLN:C	1:79:A:GLN:CD	10	0.68	0.09	0.7
(1,2283)	1:79:E:GLN:C	1:79:E:GLN:CD	10	0.68	0.09	0.7
(1,2283)	1:79:B:GLN:C	1:79:B:GLN:CD	10	0.68	0.09	0.7
(1,2283)	1:79:C:GLN:C	1:79:C:GLN:CD	10	0.68	0.09	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2283)	1:79:D:GLN:C	1:79:D:GLN:CD	10	0.68	0.09	0.7
(1,541)	1:74:B:VAL:CB	1:75:B:THR:CB	10	0.66	0.19	0.54
(1,541)	1:74:E:VAL:CB	1:75:E:THR:CB	10	0.66	0.19	0.54
(1,541)	1:74:D:VAL:CB	1:75:D:THR:CB	10	0.66	0.19	0.54
(1,541)	1:74:C:VAL:CB	1:75:C:THR:CB	10	0.66	0.19	0.54
(1,541)	1:74:A:VAL:CB	1:75:A:THR:CB	10	0.66	0.19	0.54
(1,971)	1:47:C:GLY:CA	1:49:C:VAL:CG2	10	0.65	0.1	0.66
(1,971)	1:47:D:GLY:CA	1:49:D:VAL:CG2	10	0.65	0.1	0.66
(1,971)	1:47:A:GLY:CA	1:49:A:VAL:CG2	10	0.65	0.1	0.66
(1,971)	1:47:B:GLY:CA	1:49:B:VAL:CG2	10	0.65	0.1	0.66
(1,1221)	1:49:C:VAL:CG2	1:47:C:GLY:CA	10	0.65	0.1	0.66
(1,1221)	1:49:D:VAL:CG2	1:47:D:GLY:CA	10	0.65	0.1	0.66
(1,1221)	1:49:A:VAL:CG2	1:47:A:GLY:CA	10	0.65	0.1	0.66
(1,1221)	1:49:B:VAL:CG2	1:47:B:GLY:CA	10	0.65	0.1	0.66
(1,2610)	1:49:C:VAL:CG2	1:47:C:GLY:CA	10	0.65	0.1	0.66
(1,2610)	1:49:D:VAL:CG2	1:47:D:GLY:CA	10	0.65	0.1	0.66
(1,2610)	1:49:A:VAL:CG2	1:47:A:GLY:CA	10	0.65	0.1	0.66
(1,2610)	1:49:B:VAL:CG2	1:47:B:GLY:CA	10	0.65	0.1	0.66
(1,2620)	1:49:C:VAL:CG2	1:47:C:GLY:CA	10	0.65	0.1	0.66
(1,2620)	1:49:D:VAL:CG2	1:47:D:GLY:CA	10	0.65	0.1	0.66
(1,2620)	1:49:A:VAL:CG2	1:47:A:GLY:CA	10	0.65	0.1	0.66
(1,2620)	1:49:B:VAL:CG2	1:47:B:GLY:CA	10	0.65	0.1	0.66
(1,3505)	1:47:C:GLY:CA	1:49:C:VAL:CG2	10	0.65	0.1	0.66
(1,3505)	1:47:D:GLY:CA	1:49:D:VAL:CG2	10	0.65	0.1	0.66
(1,3505)	1:47:A:GLY:CA	1:49:A:VAL:CG2	10	0.65	0.1	0.66
(1,3505)	1:47:B:GLY:CA	1:49:B:VAL:CG2	10	0.65	0.1	0.66
(1,1359)	1:82:D:VAL:CG1	1:88:D:ILE:CG2	10	0.65	0.13	0.64
(1,1359)	1:82:B:VAL:CG1	1:88:B:ILE:CG2	10	0.65	0.13	0.64
(1,1359)	1:82:A:VAL:CG1	1:88:A:ILE:CG2	10	0.65	0.13	0.64
(1,1359)	1:82:C:VAL:CG1	1:88:C:ILE:CG2	10	0.65	0.13	0.64
(1,1359)	1:82:E:VAL:CG1	1:88:D:ILE:CG2	10	0.65	0.13	0.64
(1,2349)	1:77:E:VAL:CG1	1:88:D:ILE:CB	10	0.62	0.23	0.6
(1,2349)	1:77:C:VAL:CG1	1:88:B:ILE:CB	10	0.62	0.23	0.6
(1,2349)	1:77:B:VAL:CG1	1:88:A:ILE:CB	10	0.62	0.23	0.6
(1,2349)	1:77:A:VAL:CG1	1:88:A:ILE:CB	10	0.62	0.23	0.6
(1,2349)	1:77:D:VAL:CG1	1:88:D:ILE:CB	10	0.62	0.23	0.6
(1,2349)	1:77:B:VAL:CG1	1:88:B:ILE:CB	10	0.62	0.23	0.6
(1,3197)	1:74:A:VAL:CA	1:75:A:THR:CB	10	0.62	0.11	0.56
(1,3197)	1:74:D:VAL:CA	1:75:D:THR:CB	10	0.62	0.11	0.56
(1,3197)	1:74:B:VAL:CA	1:75:B:THR:CB	10	0.62	0.11	0.56
(1,3197)	1:74:C:VAL:CA	1:75:C:THR:CB	10	0.62	0.11	0.56
(1,1326)	1:79:A:GLN:CA	1:80:A:LYS:C	10	0.6	0.05	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1326)	1:79:E:GLN:CA	1:80:E:LYS:C	10	0.6	0.05	0.6
(1,1326)	1:79:C:GLN:CA	1:80:C:LYS:C	10	0.6	0.05	0.6
(1,1326)	1:79:B:GLN:CA	1:80:B:LYS:C	10	0.6	0.05	0.6
(1,2745)	1:80:A:LYS:C	1:79:A:GLN:CA	10	0.6	0.05	0.6
(1,2745)	1:80:E:LYS:C	1:79:E:GLN:CA	10	0.6	0.05	0.6
(1,2745)	1:80:C:LYS:C	1:79:C:GLN:CA	10	0.6	0.05	0.6
(1,2745)	1:80:B:LYS:C	1:79:B:GLN:CA	10	0.6	0.05	0.6
(1,3458)	1:79:A:GLN:CA	1:80:A:LYS:C	10	0.6	0.05	0.6
(1,3458)	1:79:E:GLN:CA	1:80:E:LYS:C	10	0.6	0.05	0.6
(1,3458)	1:79:C:GLN:CA	1:80:C:LYS:C	10	0.6	0.05	0.6
(1,3458)	1:79:B:GLN:CA	1:80:B:LYS:C	10	0.6	0.05	0.6
(1,3081)	1:89:C:ALA:C	1:77:D:VAL:CA	10	0.6	0.24	0.55
(1,3081)	1:89:A:ALA:C	1:77:B:VAL:CA	10	0.6	0.24	0.55
(1,3081)	1:89:B:ALA:C	1:77:B:VAL:CA	10	0.6	0.24	0.55
(1,3081)	1:89:E:ALA:C	1:77:E:VAL:CA	10	0.6	0.24	0.55
(1,3081)	1:89:C:ALA:C	1:77:C:VAL:CA	10	0.6	0.24	0.55
(1,343)	1:75:A:THR:CB	1:74:A:VAL:CG1	10	0.59	0.29	0.41
(1,343)	1:75:D:THR:CB	1:74:D:VAL:CG1	10	0.59	0.29	0.41
(1,343)	1:75:B:THR:CB	1:74:B:VAL:CG1	10	0.59	0.29	0.41
(1,343)	1:75:E:THR:CB	1:74:E:VAL:CG1	10	0.59	0.29	0.41
(1,343)	1:75:C:THR:CB	1:74:C:VAL:CG1	10	0.59	0.29	0.41
(1,600)	1:74:A:VAL:CG1	1:75:A:THR:CB	10	0.59	0.29	0.41
(1,600)	1:74:D:VAL:CG1	1:75:D:THR:CB	10	0.59	0.29	0.41
(1,600)	1:74:B:VAL:CG1	1:75:B:THR:CB	10	0.59	0.29	0.41
(1,600)	1:74:E:VAL:CG1	1:75:E:THR:CB	10	0.59	0.29	0.41
(1,600)	1:74:C:VAL:CG1	1:75:C:THR:CB	10	0.59	0.29	0.41
(1,1651)	1:74:A:VAL:CB	1:73:A:GLY:CA	10	0.59	0.02	0.59
(1,1651)	1:74:D:VAL:CB	1:73:D:GLY:CA	10	0.59	0.02	0.59
(1,1651)	1:74:B:VAL:CB	1:73:B:GLY:CA	10	0.59	0.02	0.59
(1,1651)	1:74:C:VAL:CB	1:73:C:GLY:CA	10	0.59	0.02	0.59
(1,1651)	1:74:E:VAL:CB	1:73:E:GLY:CA	10	0.59	0.02	0.59
(1,1982)	1:73:A:GLY:CA	1:74:A:VAL:CB	10	0.59	0.02	0.59
(1,1982)	1:73:D:GLY:CA	1:74:D:VAL:CB	10	0.59	0.02	0.59
(1,1982)	1:73:B:GLY:CA	1:74:B:VAL:CB	10	0.59	0.02	0.59
(1,1982)	1:73:C:GLY:CA	1:74:C:VAL:CB	10	0.59	0.02	0.59
(1,1982)	1:73:E:GLY:CA	1:74:E:VAL:CB	10	0.59	0.02	0.59
(1,2476)	1:74:A:VAL:CB	1:73:A:GLY:CA	10	0.59	0.02	0.59
(1,2476)	1:74:D:VAL:CB	1:73:D:GLY:CA	10	0.59	0.02	0.59
(1,2476)	1:74:B:VAL:CB	1:73:B:GLY:CA	10	0.59	0.02	0.59
(1,2476)	1:74:C:VAL:CB	1:73:C:GLY:CA	10	0.59	0.02	0.59
(1,2476)	1:74:E:VAL:CB	1:73:E:GLY:CA	10	0.59	0.02	0.59
(1,2497)	1:74:A:VAL:CB	1:73:A:GLY:CA	10	0.59	0.02	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2497)	1:74:D:VAL:CB	1:73:D:GLY:CA	10	0.59	0.02	0.59
(1,2497)	1:74:B:VAL:CB	1:73:B:GLY:CA	10	0.59	0.02	0.59
(1,2497)	1:74:C:VAL:CB	1:73:C:GLY:CA	10	0.59	0.02	0.59
(1,2497)	1:74:E:VAL:CB	1:73:E:GLY:CA	10	0.59	0.02	0.59
(1,3248)	1:88:C:ILE:C	1:81:C:THR:CB	10	0.59	0.21	0.56
(1,3248)	1:88:A:ILE:C	1:81:B:THR:CB	10	0.59	0.21	0.56
(1,3248)	1:88:A:ILE:C	1:81:A:THR:CB	10	0.59	0.21	0.56
(1,3248)	1:88:D:ILE:C	1:81:D:THR:CB	10	0.59	0.21	0.56
(1,3248)	1:88:E:ILE:C	1:81:E:THR:CB	10	0.59	0.21	0.56
(1,3248)	1:88:B:ILE:C	1:81:B:THR:CB	10	0.59	0.21	0.56
(1,4186)	1:73:A:GLY:CA	1:74:A:VAL:CB	10	0.59	0.02	0.59
(1,4186)	1:73:D:GLY:CA	1:74:D:VAL:CB	10	0.59	0.02	0.59
(1,4186)	1:73:B:GLY:CA	1:74:B:VAL:CB	10	0.59	0.02	0.59
(1,4186)	1:73:C:GLY:CA	1:74:C:VAL:CB	10	0.59	0.02	0.59
(1,4186)	1:73:E:GLY:CA	1:74:E:VAL:CB	10	0.59	0.02	0.59
(1,708)	1:45:D:LYS:CA	1:43:D:LYS:C	10	0.58	0.21	0.5
(1,708)	1:45:A:LYS:CA	1:43:A:LYS:C	10	0.58	0.21	0.5
(1,708)	1:45:C:LYS:CA	1:43:C:LYS:C	10	0.58	0.21	0.5
(1,708)	1:45:E:LYS:CA	1:43:E:LYS:C	10	0.58	0.21	0.5
(1,988)	1:67:A:GLY:CA	1:70:A:VAL:CG2	10	0.57	0.3	0.74
(1,988)	1:67:D:GLY:CA	1:70:D:VAL:CG2	10	0.57	0.3	0.74
(1,988)	1:67:C:GLY:CA	1:70:C:VAL:CG2	10	0.57	0.3	0.74
(1,988)	1:67:E:GLY:CA	1:70:E:VAL:CG2	10	0.57	0.3	0.74
(1,2543)	1:70:A:VAL:CG2	1:67:A:GLY:CA	10	0.57	0.3	0.74
(1,2543)	1:70:D:VAL:CG2	1:67:D:GLY:CA	10	0.57	0.3	0.74
(1,2543)	1:70:C:VAL:CG2	1:67:C:GLY:CA	10	0.57	0.3	0.74
(1,2543)	1:70:E:VAL:CG2	1:67:E:GLY:CA	10	0.57	0.3	0.74
(1,3612)	1:67:A:GLY:CA	1:70:A:VAL:CG2	10	0.57	0.3	0.74
(1,3612)	1:67:D:GLY:CA	1:70:D:VAL:CG2	10	0.57	0.3	0.74
(1,3612)	1:67:C:GLY:CA	1:70:C:VAL:CG2	10	0.57	0.3	0.74
(1,3612)	1:67:E:GLY:CA	1:70:E:VAL:CG2	10	0.57	0.3	0.74
(1,4200)	1:96:A:LYS:CA	1:97:A:LYS:CB	10	0.55	0.14	0.55
(1,4200)	1:96:B:LYS:CA	1:97:B:LYS:CB	10	0.55	0.14	0.55
(1,4200)	1:96:E:LYS:CA	1:97:E:LYS:CB	10	0.55	0.14	0.55
(1,4200)	1:96:D:LYS:CA	1:97:D:LYS:CB	10	0.55	0.14	0.55
(1,4200)	1:96:C:LYS:CA	1:97:C:LYS:CB	10	0.55	0.14	0.55
(1,2243)	1:86:C:GLY:C	1:85:C:ALA:CA	10	0.55	0.02	0.55
(1,2243)	1:86:B:GLY:C	1:85:B:ALA:CA	10	0.55	0.02	0.55
(1,2243)	1:86:E:GLY:C	1:85:E:ALA:CA	10	0.55	0.02	0.55
(1,2243)	1:86:D:GLY:C	1:85:D:ALA:CA	10	0.55	0.02	0.55
(1,2243)	1:86:A:GLY:C	1:85:A:ALA:CA	10	0.55	0.02	0.55
(1,414)	1:40:B:VAL:C	1:37:B:VAL:CB	10	0.55	0.72	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,414)	1:40:C:VAL:C	1:37:C:VAL:CB	10	0.55	0.72	0.29
(1,414)	1:40:D:VAL:C	1:37:D:VAL:CB	10	0.55	0.72	0.29
(1,414)	1:40:A:VAL:C	1:37:A:VAL:CB	10	0.55	0.72	0.29
(1,667)	1:82:A:VAL:CG2	1:81:A:THR:CB	10	0.54	0.05	0.54
(1,667)	1:82:E:VAL:CG2	1:81:E:THR:CB	10	0.54	0.05	0.54
(1,667)	1:82:B:VAL:CG2	1:81:B:THR:CB	10	0.54	0.05	0.54
(1,667)	1:82:D:VAL:CG2	1:81:D:THR:CB	10	0.54	0.05	0.54
(1,2890)	1:90:D:ALA:C	1:89:D:ALA:CA	10	0.52	0.04	0.54
(1,2890)	1:90:B:ALA:C	1:89:B:ALA:CA	10	0.52	0.04	0.54
(1,2890)	1:90:A:ALA:C	1:89:A:ALA:CA	10	0.52	0.04	0.54
(1,2890)	1:90:E:ALA:C	1:89:E:ALA:CA	10	0.52	0.04	0.54
(1,2572)	1:96:D:LYS:CA	1:86:D:GLY:CA	10	0.51	0.16	0.5
(1,2572)	1:96:D:LYS:CA	1:86:E:GLY:CA	10	0.51	0.16	0.5
(1,2572)	1:96:A:LYS:CA	1:86:A:GLY:CA	10	0.51	0.16	0.5
(1,2572)	1:96:A:LYS:CA	1:86:B:GLY:CA	10	0.51	0.16	0.5
(1,2572)	1:96:B:LYS:CA	1:86:C:GLY:CA	10	0.51	0.16	0.5
(1,2572)	1:96:B:LYS:CA	1:86:B:GLY:CA	10	0.51	0.16	0.5
(1,2572)	1:96:C:LYS:CA	1:86:C:GLY:CA	10	0.51	0.16	0.5
(1,2572)	1:96:C:LYS:CA	1:86:D:GLY:CA	10	0.51	0.16	0.5
(3,14)	1:92:C:THR:CB	1:74:D:VAL:CG2	10	0.5	0.16	0.48
(3,14)	1:92:A:THR:CB	1:74:B:VAL:CG2	10	0.5	0.16	0.48
(3,14)	1:92:B:THR:CB	1:74:C:VAL:CG2	10	0.5	0.16	0.48
(3,14)	1:92:E:THR:CB	1:74:E:VAL:CG2	10	0.5	0.16	0.48
(3,14)	1:92:C:THR:CB	1:74:C:VAL:CG2	10	0.5	0.16	0.48
(3,14)	1:92:D:THR:CB	1:74:E:VAL:CG2	10	0.5	0.16	0.48
(3,14)	1:92:A:THR:CB	1:74:A:VAL:CG2	10	0.5	0.16	0.48
(1,3086)	1:80:A:LYS:CB	1:81:A:THR:CA	10	0.5	0.08	0.52
(1,3086)	1:80:C:LYS:CB	1:81:C:THR:CA	10	0.5	0.08	0.52
(1,3086)	1:80:B:LYS:CB	1:81:B:THR:CA	10	0.5	0.08	0.52
(1,3086)	1:80:D:LYS:CB	1:81:D:THR:CA	10	0.5	0.08	0.52
(1,3086)	1:80:E:LYS:CB	1:81:E:THR:CA	10	0.5	0.08	0.52
(1,2877)	1:95:A:VAL:CG1	1:96:A:LYS:CA	10	0.5	0.22	0.45
(1,2877)	1:95:B:VAL:CG1	1:96:B:LYS:CA	10	0.5	0.22	0.45
(1,2877)	1:95:C:VAL:CG1	1:96:C:LYS:CA	10	0.5	0.22	0.45
(1,2877)	1:95:D:VAL:CG1	1:96:D:LYS:CA	10	0.5	0.22	0.45
(1,1528)	1:75:B:THR:CA	1:74:B:VAL:CB	10	0.49	0.13	0.41
(1,1528)	1:75:C:THR:CA	1:74:C:VAL:CB	10	0.49	0.13	0.41
(1,1528)	1:75:D:THR:CA	1:74:D:VAL:CB	10	0.49	0.13	0.41
(1,1528)	1:75:E:THR:CA	1:74:E:VAL:CB	10	0.49	0.13	0.41
(1,1528)	1:75:A:THR:CA	1:74:A:VAL:CB	10	0.49	0.13	0.41
(1,4178)	1:75:B:THR:CA	1:74:B:VAL:CB	10	0.49	0.13	0.41
(1,4178)	1:75:C:THR:CA	1:74:C:VAL:CB	10	0.49	0.13	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4178)	1:75:D:THR:CA	1:74:D:VAL:CB	10	0.49	0.13	0.41
(1,4178)	1:75:E:THR:CA	1:74:E:VAL:CB	10	0.49	0.13	0.41
(1,4178)	1:75:A:THR:CA	1:74:A:VAL:CB	10	0.49	0.13	0.41
(1,1797)	1:59:A:THR:CG2	1:60:A:LYS:CG	10	0.49	0.08	0.48
(1,1797)	1:59:C:THR:CG2	1:60:C:LYS:CG	10	0.49	0.08	0.48
(1,1797)	1:59:E:THR:CG2	1:60:E:LYS:CG	10	0.49	0.08	0.48
(1,1797)	1:59:D:THR:CG2	1:60:D:LYS:CG	10	0.49	0.08	0.48
(1,1797)	1:59:B:THR:CG2	1:60:B:LYS:CG	10	0.49	0.08	0.48
(1,2473)	1:74:A:VAL:CG2	1:73:A:GLY:CA	10	0.49	0.06	0.49
(1,2473)	1:74:C:VAL:CG2	1:73:C:GLY:CA	10	0.49	0.06	0.49
(1,2473)	1:74:B:VAL:CG2	1:73:B:GLY:CA	10	0.49	0.06	0.49
(1,2473)	1:74:D:VAL:CG2	1:73:D:GLY:CA	10	0.49	0.06	0.49
(1,2479)	1:74:A:VAL:CG2	1:73:A:GLY:CA	10	0.49	0.06	0.49
(1,2479)	1:74:C:VAL:CG2	1:73:C:GLY:CA	10	0.49	0.06	0.49
(1,2479)	1:74:B:VAL:CG2	1:73:B:GLY:CA	10	0.49	0.06	0.49
(1,2479)	1:74:D:VAL:CG2	1:73:D:GLY:CA	10	0.49	0.06	0.49
(1,2482)	1:74:A:VAL:CG2	1:73:A:GLY:CA	10	0.49	0.06	0.49
(1,2482)	1:74:C:VAL:CG2	1:73:C:GLY:CA	10	0.49	0.06	0.49
(1,2482)	1:74:B:VAL:CG2	1:73:B:GLY:CA	10	0.49	0.06	0.49
(1,2482)	1:74:D:VAL:CG2	1:73:D:GLY:CA	10	0.49	0.06	0.49
(1,4146)	1:80:A:LYS:CB	1:82:A:VAL:CB	10	0.49	0.12	0.5
(1,4146)	1:80:C:LYS:CB	1:82:C:VAL:CB	10	0.49	0.12	0.5
(1,4146)	1:80:B:LYS:CB	1:82:B:VAL:CB	10	0.49	0.12	0.5
(1,4146)	1:80:D:LYS:CB	1:82:D:VAL:CB	10	0.49	0.12	0.5
(1,4146)	1:80:E:LYS:CB	1:82:E:VAL:CB	10	0.49	0.12	0.5
(1,2452)	1:66:A:VAL:CA	1:65:A:ASN:CB	10	0.47	0.03	0.46
(1,2452)	1:66:B:VAL:CA	1:65:B:ASN:CB	10	0.47	0.03	0.46
(1,2452)	1:66:C:VAL:CA	1:65:C:ASN:CB	10	0.47	0.03	0.46
(1,2452)	1:66:E:VAL:CA	1:65:E:ASN:CB	10	0.47	0.03	0.46
(1,1293)	1:94:B:PHE:CA	1:94:B:PHE:CE2	10	0.47	0.15	0.53
(1,1293)	1:94:C:PHE:CA	1:94:C:PHE:CE1	10	0.47	0.15	0.53
(1,1293)	1:94:D:PHE:CA	1:94:D:PHE:CE2	10	0.47	0.15	0.53
(1,1293)	1:94:D:PHE:CA	1:94:D:PHE:CE1	10	0.47	0.15	0.53
(1,1293)	1:94:A:PHE:CA	1:94:A:PHE:CE1	10	0.47	0.15	0.53
(1,1293)	1:94:E:PHE:CA	1:94:E:PHE:CE2	10	0.47	0.15	0.53
(1,1293)	1:94:C:PHE:CA	1:94:C:PHE:CE2	10	0.47	0.15	0.53
(1,1293)	1:94:E:PHE:CA	1:94:E:PHE:CE1	10	0.47	0.15	0.53
(1,3003)	1:49:A:VAL:CG2	1:48:A:VAL:CA	10	0.46	0.11	0.44
(1,3003)	1:49:D:VAL:CG2	1:48:D:VAL:CA	10	0.46	0.11	0.44
(1,3003)	1:49:C:VAL:CG2	1:48:C:VAL:CA	10	0.46	0.11	0.44
(1,3390)	1:96:E:LYS:CD	1:96:E:LYS:C	10	0.46	0.09	0.45
(1,3390)	1:96:B:LYS:CD	1:96:B:LYS:C	10	0.46	0.09	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3390)	1:96:D:LYS:CD	1:96:D:LYS:C	10	0.46	0.09	0.45
(1,3390)	1:96:C:LYS:CD	1:96:C:LYS:C	10	0.46	0.09	0.45
(1,3380)	1:47:D:GLY:C	1:77:E:VAL:C	10	0.46	0.18	0.4
(1,3380)	1:47:B:GLY:C	1:77:C:VAL:C	10	0.46	0.18	0.4
(1,3380)	1:47:A:GLY:C	1:77:B:VAL:C	10	0.46	0.18	0.4
(1,3380)	1:47:D:GLY:C	1:77:D:VAL:C	10	0.46	0.18	0.4
(1,417)	1:79:A:GLN:CD	1:80:A:LYS:CG	10	0.46	0.14	0.44
(1,417)	1:79:C:GLN:CD	1:80:C:LYS:CG	10	0.46	0.14	0.44
(1,417)	1:79:D:GLN:CD	1:80:D:LYS:CG	10	0.46	0.14	0.44
(1,417)	1:79:B:GLN:CD	1:80:B:LYS:CG	10	0.46	0.14	0.44
(1,1021)	1:79:A:GLN:CD	1:80:A:LYS:CG	10	0.46	0.14	0.44
(1,1021)	1:79:C:GLN:CD	1:80:C:LYS:CG	10	0.46	0.14	0.44
(1,1021)	1:79:D:GLN:CD	1:80:D:LYS:CG	10	0.46	0.14	0.44
(1,1021)	1:79:B:GLN:CD	1:80:B:LYS:CG	10	0.46	0.14	0.44
(1,2049)	1:80:A:LYS:CG	1:79:A:GLN:CD	10	0.46	0.14	0.44
(1,2049)	1:80:C:LYS:CG	1:79:C:GLN:CD	10	0.46	0.14	0.44
(1,2049)	1:80:D:LYS:CG	1:79:D:GLN:CD	10	0.46	0.14	0.44
(1,2049)	1:80:B:LYS:CG	1:79:B:GLN:CD	10	0.46	0.14	0.44
(1,3750)	1:79:A:GLN:CD	1:80:A:LYS:CG	10	0.46	0.14	0.44
(1,3750)	1:79:C:GLN:CD	1:80:C:LYS:CG	10	0.46	0.14	0.44
(1,3750)	1:79:D:GLN:CD	1:80:D:LYS:CG	10	0.46	0.14	0.44
(1,3750)	1:79:B:GLN:CD	1:80:B:LYS:CG	10	0.46	0.14	0.44
(1,2622)	1:48:D:VAL:CG2	1:47:D:GLY:CA	10	0.45	0.13	0.42
(1,2622)	1:48:C:VAL:CG2	1:47:C:GLY:CA	10	0.45	0.13	0.42
(1,2622)	1:48:B:VAL:CG2	1:47:B:GLY:CA	10	0.45	0.13	0.42
(1,2622)	1:48:E:VAL:CG2	1:47:E:GLY:CA	10	0.45	0.13	0.42
(1,2793)	1:88:B:ILE:C	1:83:B:GLU:CA	10	0.45	0.17	0.4
(1,2793)	1:88:A:ILE:C	1:83:B:GLU:CA	10	0.45	0.17	0.4
(1,2793)	1:88:A:ILE:C	1:83:A:GLU:CA	10	0.45	0.17	0.4
(1,2793)	1:88:E:ILE:C	1:83:E:GLU:CA	10	0.45	0.17	0.4
(1,2793)	1:88:C:ILE:C	1:83:C:GLU:CA	10	0.45	0.17	0.4
(1,2793)	1:88:D:ILE:C	1:83:D:GLU:CA	10	0.45	0.17	0.4
(1,834)	1:77:A:VAL:CA	1:75:A:THR:CB	10	0.44	0.15	0.52
(1,834)	1:77:E:VAL:CA	1:75:E:THR:CB	10	0.44	0.15	0.52
(1,834)	1:77:B:VAL:CA	1:75:B:THR:CB	10	0.44	0.15	0.52
(1,834)	1:77:C:VAL:CA	1:75:C:THR:CB	10	0.44	0.15	0.52
(1,834)	1:77:D:VAL:CA	1:75:D:THR:CB	10	0.44	0.15	0.52
(1,3198)	1:77:A:VAL:CA	1:75:A:THR:CB	10	0.44	0.15	0.52
(1,3198)	1:77:E:VAL:CA	1:75:E:THR:CB	10	0.44	0.15	0.52
(1,3198)	1:77:B:VAL:CA	1:75:B:THR:CB	10	0.44	0.15	0.52
(1,3198)	1:77:C:VAL:CA	1:75:C:THR:CB	10	0.44	0.15	0.52
(1,3198)	1:77:D:VAL:CA	1:75:D:THR:CB	10	0.44	0.15	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3444)	1:90:E:ALA:CA	1:91:E:ALA:C	10	0.44	0.05	0.46
(1,3444)	1:90:B:ALA:CA	1:91:B:ALA:C	10	0.44	0.05	0.46
(1,3444)	1:90:D:ALA:CA	1:91:D:ALA:C	10	0.44	0.05	0.46
(1,3444)	1:90:C:ALA:CA	1:91:C:ALA:C	10	0.44	0.05	0.46
(1,3444)	1:90:A:ALA:CA	1:91:A:ALA:C	10	0.44	0.05	0.46
(1,911)	1:74:B:VAL:CG1	1:75:B:THR:C	10	0.44	0.18	0.36
(1,911)	1:74:C:VAL:CG1	1:75:C:THR:C	10	0.44	0.18	0.36
(1,911)	1:74:A:VAL:CG1	1:75:A:THR:C	10	0.44	0.18	0.36
(1,911)	1:74:E:VAL:CG1	1:75:E:THR:C	10	0.44	0.18	0.36
(1,3120)	1:78:A:ALA:CB	1:75:A:THR:CA	10	0.44	0.16	0.45
(1,3120)	1:78:E:ALA:CB	1:75:E:THR:CA	10	0.44	0.16	0.45
(1,3120)	1:78:D:ALA:CB	1:75:D:THR:CA	10	0.44	0.16	0.45
(1,3120)	1:78:C:ALA:CB	1:75:C:THR:CA	10	0.44	0.16	0.45
(1,1908)	1:82:E:VAL:CA	1:81:E:THR:CB	10	0.43	0.06	0.45
(1,1908)	1:82:A:VAL:CA	1:81:A:THR:CB	10	0.43	0.06	0.45
(1,1908)	1:82:D:VAL:CA	1:81:D:THR:CB	10	0.43	0.06	0.45
(1,1908)	1:82:C:VAL:CA	1:81:C:THR:CB	10	0.43	0.06	0.45
(1,1908)	1:82:B:VAL:CA	1:81:B:THR:CB	10	0.43	0.06	0.45
(1,3104)	1:81:E:THR:CB	1:82:E:VAL:CA	10	0.43	0.06	0.45
(1,3104)	1:81:A:THR:CB	1:82:A:VAL:CA	10	0.43	0.06	0.45
(1,3104)	1:81:D:THR:CB	1:82:D:VAL:CA	10	0.43	0.06	0.45
(1,3104)	1:81:C:THR:CB	1:82:C:VAL:CA	10	0.43	0.06	0.45
(1,3104)	1:81:B:THR:CB	1:82:B:VAL:CA	10	0.43	0.06	0.45
(1,1591)	1:53:D:ALA:CA	1:54:D:THR:CB	10	0.43	0.01	0.43
(1,1591)	1:53:B:ALA:CA	1:54:B:THR:CB	10	0.43	0.01	0.43
(1,1591)	1:53:A:ALA:CA	1:54:A:THR:CB	10	0.43	0.01	0.43
(1,1591)	1:53:E:ALA:CA	1:54:E:THR:CB	10	0.43	0.01	0.43
(1,1591)	1:53:C:ALA:CA	1:54:C:THR:CB	10	0.43	0.01	0.43
(1,2674)	1:54:D:THR:CB	1:53:D:ALA:CA	10	0.43	0.01	0.43
(1,2674)	1:54:B:THR:CB	1:53:B:ALA:CA	10	0.43	0.01	0.43
(1,2674)	1:54:A:THR:CB	1:53:A:ALA:CA	10	0.43	0.01	0.43
(1,2674)	1:54:E:THR:CB	1:53:E:ALA:CA	10	0.43	0.01	0.43
(1,2674)	1:54:C:THR:CB	1:53:C:ALA:CA	10	0.43	0.01	0.43
(1,3221)	1:53:D:ALA:CA	1:54:D:THR:CB	10	0.43	0.01	0.43
(1,3221)	1:53:B:ALA:CA	1:54:B:THR:CB	10	0.43	0.01	0.43
(1,3221)	1:53:A:ALA:CA	1:54:A:THR:CB	10	0.43	0.01	0.43
(1,3221)	1:53:E:ALA:CA	1:54:E:THR:CB	10	0.43	0.01	0.43
(1,3221)	1:53:C:ALA:CA	1:54:C:THR:CB	10	0.43	0.01	0.43
(1,3706)	1:86:B:GLY:C	1:96:B:LYS:CG	10	0.42	0.1	0.47
(1,3706)	1:86:E:GLY:C	1:96:E:LYS:CG	10	0.42	0.1	0.47
(1,3706)	1:86:E:GLY:C	1:96:D:LYS:CG	10	0.42	0.1	0.47
(1,3706)	1:86:D:GLY:C	1:96:D:LYS:CG	10	0.42	0.1	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3706)	1:86:A:GLY:C	1:96:A:LYS:CG	10	0.42	0.1	0.47
(1,2905)	1:93:B:GLY:CA	1:96:B:LYS:CA	10	0.41	0.2	0.5
(1,2905)	1:93:D:GLY:CA	1:96:D:LYS:CA	10	0.41	0.2	0.5
(1,2905)	1:93:E:GLY:CA	1:96:E:LYS:CA	10	0.41	0.2	0.5
(1,2905)	1:93:C:GLY:CA	1:96:C:LYS:CA	10	0.41	0.2	0.5
(1,2905)	1:93:A:GLY:CA	1:96:A:LYS:CA	10	0.41	0.2	0.5
(1,3552)	1:83:A:GLU:CB	1:85:A:ALA:C	10	0.41	0.08	0.38
(1,3552)	1:83:B:GLU:CB	1:85:B:ALA:C	10	0.41	0.08	0.38
(1,3552)	1:83:C:GLU:CB	1:85:C:ALA:C	10	0.41	0.08	0.38
(1,3552)	1:83:D:GLU:CB	1:85:D:ALA:C	10	0.41	0.08	0.38
(1,4160)	1:42:A:SER:CA	1:40:A:VAL:CB	10	0.41	0.16	0.36
(1,4160)	1:42:C:SER:CA	1:40:C:VAL:CB	10	0.41	0.16	0.36
(1,4160)	1:42:D:SER:CA	1:40:D:VAL:CB	10	0.41	0.16	0.36
(1,4160)	1:42:E:SER:CA	1:40:E:VAL:CB	10	0.41	0.16	0.36
(1,1823)	1:66:A:VAL:CG2	1:65:A:ASN:CA	10	0.41	0.06	0.39
(1,1823)	1:66:D:VAL:CG2	1:65:D:ASN:CA	10	0.41	0.06	0.39
(1,1823)	1:66:E:VAL:CG2	1:65:E:ASN:CA	10	0.41	0.06	0.39
(1,1823)	1:66:C:VAL:CG2	1:65:C:ASN:CA	10	0.41	0.06	0.39
(1,1437)	1:89:C:ALA:CB	1:91:C:ALA:CA	10	0.4	0.05	0.4
(1,1437)	1:89:B:ALA:CB	1:91:B:ALA:CA	10	0.4	0.05	0.4
(1,1437)	1:89:D:ALA:CB	1:91:D:ALA:CA	10	0.4	0.05	0.4
(1,1437)	1:89:A:ALA:CB	1:91:A:ALA:CA	10	0.4	0.05	0.4
(1,1437)	1:89:E:ALA:CB	1:91:E:ALA:CA	10	0.4	0.05	0.4
(1,2641)	1:89:C:ALA:CB	1:91:C:ALA:CA	10	0.4	0.05	0.4
(1,2641)	1:89:B:ALA:CB	1:91:B:ALA:CA	10	0.4	0.05	0.4
(1,2641)	1:89:D:ALA:CB	1:91:D:ALA:CA	10	0.4	0.05	0.4
(1,2641)	1:89:A:ALA:CB	1:91:A:ALA:CA	10	0.4	0.05	0.4
(1,2641)	1:89:E:ALA:CB	1:91:E:ALA:CA	10	0.4	0.05	0.4
(1,2662)	1:89:C:ALA:CB	1:91:C:ALA:CA	10	0.4	0.05	0.4
(1,2662)	1:89:B:ALA:CB	1:91:B:ALA:CA	10	0.4	0.05	0.4
(1,2662)	1:89:D:ALA:CB	1:91:D:ALA:CA	10	0.4	0.05	0.4
(1,2662)	1:89:A:ALA:CB	1:91:A:ALA:CA	10	0.4	0.05	0.4
(1,2662)	1:89:E:ALA:CB	1:91:E:ALA:CA	10	0.4	0.05	0.4
(1,3877)	1:91:C:ALA:CA	1:89:C:ALA:CB	10	0.4	0.05	0.4
(1,3877)	1:91:B:ALA:CA	1:89:B:ALA:CB	10	0.4	0.05	0.4
(1,3877)	1:91:D:ALA:CA	1:89:D:ALA:CB	10	0.4	0.05	0.4
(1,3877)	1:91:A:ALA:CA	1:89:A:ALA:CB	10	0.4	0.05	0.4
(1,3877)	1:91:E:ALA:CA	1:89:E:ALA:CB	10	0.4	0.05	0.4
(1,2941)	1:42:A:SER:CA	1:45:A:LYS:CA	10	0.39	0.2	0.32
(1,2941)	1:42:E:SER:CA	1:45:E:LYS:CA	10	0.39	0.2	0.32
(1,2941)	1:42:B:SER:CA	1:45:B:LYS:CA	10	0.39	0.2	0.32
(1,2941)	1:42:C:SER:CA	1:45:C:LYS:CA	10	0.39	0.2	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2613)	1:77:E:VAL:CG1	1:47:D:GLY:CA	10	0.38	0.18	0.34
(1,2613)	1:77:B:VAL:CG1	1:47:A:GLY:CA	10	0.38	0.18	0.34
(1,2613)	1:77:D:VAL:CG1	1:47:C:GLY:CA	10	0.38	0.18	0.34
(1,2613)	1:77:C:VAL:CG1	1:47:B:GLY:CA	10	0.38	0.18	0.34
(1,2613)	1:77:E:VAL:CG1	1:47:E:GLY:CA	10	0.38	0.18	0.34
(1,655)	1:90:A:ALA:CA	1:88:A:ILE:CB	10	0.38	0.07	0.39
(1,655)	1:90:B:ALA:CA	1:88:C:ILE:CB	10	0.38	0.07	0.39
(1,655)	1:90:E:ALA:CA	1:88:E:ILE:CB	10	0.38	0.07	0.39
(1,655)	1:90:C:ALA:CA	1:88:D:ILE:CB	10	0.38	0.07	0.39
(1,655)	1:90:D:ALA:CA	1:88:D:ILE:CB	10	0.38	0.07	0.39
(1,655)	1:90:C:ALA:CA	1:88:C:ILE:CB	10	0.38	0.07	0.39
(1,1958)	1:90:A:ALA:CA	1:88:A:ILE:CB	10	0.38	0.07	0.39
(1,1958)	1:90:B:ALA:CA	1:88:C:ILE:CB	10	0.38	0.07	0.39
(1,1958)	1:90:E:ALA:CA	1:88:E:ILE:CB	10	0.38	0.07	0.39
(1,1958)	1:90:C:ALA:CA	1:88:D:ILE:CB	10	0.38	0.07	0.39
(1,1958)	1:90:D:ALA:CA	1:88:D:ILE:CB	10	0.38	0.07	0.39
(1,1958)	1:90:C:ALA:CA	1:88:C:ILE:CB	10	0.38	0.07	0.39
(1,3409)	1:78:B:ALA:CB	1:49:A:VAL:C	10	0.38	0.07	0.38
(1,3409)	1:78:E:ALA:CB	1:49:D:VAL:C	10	0.38	0.07	0.38
(1,3409)	1:78:A:ALA:CB	1:49:A:VAL:C	10	0.38	0.07	0.38
(1,891)	1:92:D:THR:CA	1:93:D:GLY:C	10	0.37	0.03	0.37
(1,891)	1:92:E:THR:CA	1:93:E:GLY:C	10	0.37	0.03	0.37
(1,891)	1:92:C:THR:CA	1:93:C:GLY:C	10	0.37	0.03	0.37
(1,891)	1:92:B:THR:CA	1:93:B:GLY:C	10	0.37	0.03	0.37
(1,891)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.37	0.03	0.37
(1,1304)	1:92:D:THR:CA	1:93:D:GLY:C	10	0.37	0.03	0.37
(1,1304)	1:92:E:THR:CA	1:93:E:GLY:C	10	0.37	0.03	0.37
(1,1304)	1:92:C:THR:CA	1:93:C:GLY:C	10	0.37	0.03	0.37
(1,1304)	1:92:B:THR:CA	1:93:B:GLY:C	10	0.37	0.03	0.37
(1,1304)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.37	0.03	0.37
(1,1443)	1:92:D:THR:CA	1:93:D:GLY:C	10	0.37	0.03	0.37
(1,1443)	1:92:E:THR:CA	1:93:E:GLY:C	10	0.37	0.03	0.37
(1,1443)	1:92:C:THR:CA	1:93:C:GLY:C	10	0.37	0.03	0.37
(1,1443)	1:92:B:THR:CA	1:93:B:GLY:C	10	0.37	0.03	0.37
(1,1443)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.37	0.03	0.37
(1,1445)	1:92:D:THR:CA	1:93:D:GLY:C	10	0.37	0.03	0.37
(1,1445)	1:92:E:THR:CA	1:93:E:GLY:C	10	0.37	0.03	0.37
(1,1445)	1:92:C:THR:CA	1:93:C:GLY:C	10	0.37	0.03	0.37
(1,1445)	1:92:B:THR:CA	1:93:B:GLY:C	10	0.37	0.03	0.37
(1,1445)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.37	0.03	0.37
(1,3095)	1:93:D:GLY:C	1:92:D:THR:CA	10	0.37	0.03	0.37
(1,3095)	1:93:E:GLY:C	1:92:E:THR:CA	10	0.37	0.03	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3095)	1:93:C:GLY:C	1:92:C:THR:CA	10	0.37	0.03	0.37
(1,3095)	1:93:B:GLY:C	1:92:B:THR:CA	10	0.37	0.03	0.37
(1,3095)	1:93:A:GLY:C	1:92:A:THR:CA	10	0.37	0.03	0.37
(1,3284)	1:92:D:THR:CA	1:93:D:GLY:C	10	0.37	0.03	0.37
(1,3284)	1:92:E:THR:CA	1:93:E:GLY:C	10	0.37	0.03	0.37
(1,3284)	1:92:C:THR:CA	1:93:C:GLY:C	10	0.37	0.03	0.37
(1,3284)	1:92:B:THR:CA	1:93:B:GLY:C	10	0.37	0.03	0.37
(1,3284)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.37	0.03	0.37
(1,3291)	1:92:D:THR:CA	1:93:D:GLY:C	10	0.37	0.03	0.37
(1,3291)	1:92:E:THR:CA	1:93:E:GLY:C	10	0.37	0.03	0.37
(1,3291)	1:92:C:THR:CA	1:93:C:GLY:C	10	0.37	0.03	0.37
(1,3291)	1:92:B:THR:CA	1:93:B:GLY:C	10	0.37	0.03	0.37
(1,3291)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.37	0.03	0.37
(1,3701)	1:96:A:LYS:CA	1:97:A:LYS:CG	10	0.35	0.45	0.16
(1,3701)	1:96:C:LYS:CA	1:97:C:LYS:CG	10	0.35	0.45	0.16
(1,3701)	1:96:D:LYS:CA	1:97:D:LYS:CG	10	0.35	0.45	0.16
(1,3307)	1:49:D:VAL:C	1:51:D:GLY:C	10	0.33	0.04	0.33
(1,3307)	1:49:D:VAL:C	1:51:E:GLY:C	10	0.33	0.04	0.33
(1,3307)	1:49:C:VAL:C	1:51:C:GLY:C	10	0.33	0.04	0.33
(1,3307)	1:49:E:VAL:C	1:51:E:GLY:C	10	0.33	0.04	0.33
(1,3307)	1:49:B:VAL:C	1:51:B:GLY:C	10	0.33	0.04	0.33
(1,2828)	1:88:B:ILE:CA	1:94:B:PHE:CA	10	0.33	0.13	0.34
(1,2828)	1:88:D:ILE:CA	1:94:D:PHE:CA	10	0.33	0.13	0.34
(1,2828)	1:88:A:ILE:CA	1:94:A:PHE:CA	10	0.33	0.13	0.34
(1,2828)	1:88:C:ILE:CA	1:94:C:PHE:CA	10	0.33	0.13	0.34
(1,148)	1:79:A:GLN:CA	1:79:A:GLN:C	10	0.29	0.0	0.29
(1,148)	1:79:D:GLN:CA	1:79:D:GLN:C	10	0.29	0.0	0.29
(1,148)	1:79:B:GLN:CA	1:79:B:GLN:C	10	0.29	0.0	0.29
(1,148)	1:79:E:GLN:CA	1:79:E:GLN:C	10	0.29	0.0	0.29
(1,1681)	1:79:E:GLN:CB	1:77:E:VAL:C	10	0.28	0.08	0.28
(1,1681)	1:79:B:GLN:CB	1:77:B:VAL:C	10	0.28	0.08	0.28
(1,1681)	1:79:D:GLN:CB	1:77:D:VAL:C	10	0.28	0.08	0.28
(1,1681)	1:79:A:GLN:CB	1:77:A:VAL:C	10	0.28	0.08	0.28
(1,3363)	1:79:E:GLN:CB	1:77:E:VAL:C	10	0.28	0.08	0.28
(1,3363)	1:79:B:GLN:CB	1:77:B:VAL:C	10	0.28	0.08	0.28
(1,3363)	1:79:D:GLN:CB	1:77:D:VAL:C	10	0.28	0.08	0.28
(1,3363)	1:79:A:GLN:CB	1:77:A:VAL:C	10	0.28	0.08	0.28
(1,4067)	1:77:E:VAL:C	1:79:E:GLN:CB	10	0.28	0.08	0.28
(1,4067)	1:77:B:VAL:C	1:79:B:GLN:CB	10	0.28	0.08	0.28
(1,4067)	1:77:D:VAL:C	1:79:D:GLN:CB	10	0.28	0.08	0.28
(1,4067)	1:77:A:VAL:C	1:79:A:GLN:CB	10	0.28	0.08	0.28
(1,4082)	1:77:E:VAL:C	1:79:E:GLN:CB	10	0.28	0.08	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4082)	1:77:B:VAL:C	1:79:B:GLN:CB	10	0.28	0.08	0.28
(1,4082)	1:77:D:VAL:C	1:79:D:GLN:CB	10	0.28	0.08	0.28
(1,4082)	1:77:A:VAL:C	1:79:A:GLN:CB	10	0.28	0.08	0.28
(1,122)	1:93:C:GLY:CA	1:93:C:GLY:C	10	0.28	0.01	0.28
(1,122)	1:93:B:GLY:CA	1:93:B:GLY:C	10	0.28	0.01	0.28
(1,122)	1:93:E:GLY:CA	1:93:E:GLY:C	10	0.28	0.01	0.28
(1,122)	1:93:D:GLY:CA	1:93:D:GLY:C	10	0.28	0.01	0.28
(1,122)	1:93:A:GLY:CA	1:93:A:GLY:C	10	0.28	0.01	0.28
(1,235)	1:93:C:GLY:C	1:93:C:GLY:CA	10	0.28	0.01	0.28
(1,235)	1:93:B:GLY:C	1:93:B:GLY:CA	10	0.28	0.01	0.28
(1,235)	1:93:E:GLY:C	1:93:E:GLY:CA	10	0.28	0.01	0.28
(1,235)	1:93:D:GLY:C	1:93:D:GLY:CA	10	0.28	0.01	0.28
(1,235)	1:93:A:GLY:C	1:93:A:GLY:CA	10	0.28	0.01	0.28
(1,197)	1:80:A:LYS:CA	1:80:A:LYS:C	10	0.27	0.01	0.27
(1,197)	1:80:D:LYS:CA	1:80:D:LYS:C	10	0.27	0.01	0.27
(1,197)	1:80:B:LYS:CA	1:80:B:LYS:C	10	0.27	0.01	0.27
(1,197)	1:80:C:LYS:CA	1:80:C:LYS:C	10	0.27	0.01	0.27
(1,247)	1:68:A:GLY:C	1:68:A:GLY:CA	10	0.27	0.0	0.27
(1,247)	1:68:B:GLY:C	1:68:B:GLY:CA	10	0.27	0.0	0.27
(1,247)	1:68:D:GLY:C	1:68:D:GLY:CA	10	0.27	0.0	0.27
(1,5)	1:91:A:ALA:CB	1:91:A:ALA:CA	10	0.26	0.0	0.26
(1,5)	1:91:C:ALA:CB	1:91:C:ALA:CA	10	0.26	0.0	0.26
(1,5)	1:91:B:ALA:CB	1:91:B:ALA:CA	10	0.26	0.0	0.26
(1,5)	1:91:D:ALA:CB	1:91:D:ALA:CA	10	0.26	0.0	0.26
(1,133)	1:91:A:ALA:CA	1:91:A:ALA:CB	10	0.26	0.0	0.26
(1,133)	1:91:C:ALA:CA	1:91:C:ALA:CB	10	0.26	0.0	0.26
(1,133)	1:91:B:ALA:CA	1:91:B:ALA:CB	10	0.26	0.0	0.26
(1,133)	1:91:D:ALA:CA	1:91:D:ALA:CB	10	0.26	0.0	0.26
(1,1510)	1:58:C:LYS:CD	1:61:C:GLU:CG	10	0.26	0.09	0.26
(1,1510)	1:58:E:LYS:CD	1:61:E:GLU:CG	10	0.26	0.09	0.26
(1,1510)	1:58:B:LYS:CD	1:61:B:GLU:CG	10	0.26	0.09	0.26
(1,1510)	1:58:A:LYS:CD	1:61:A:GLU:CG	10	0.26	0.09	0.26
(1,1510)	1:58:D:LYS:CD	1:61:D:GLU:CG	10	0.26	0.09	0.26
(1,4191)	1:58:C:LYS:CD	1:61:C:GLU:CG	10	0.26	0.09	0.26
(1,4191)	1:58:E:LYS:CD	1:61:E:GLU:CG	10	0.26	0.09	0.26
(1,4191)	1:58:B:LYS:CD	1:61:B:GLU:CG	10	0.26	0.09	0.26
(1,4191)	1:58:A:LYS:CD	1:61:A:GLU:CG	10	0.26	0.09	0.26
(1,4191)	1:58:D:LYS:CD	1:61:D:GLU:CG	10	0.26	0.09	0.26
(1,201)	1:92:B:THR:CA	1:92:B:THR:CB	10	0.26	0.0	0.26
(1,201)	1:92:A:THR:CA	1:92:A:THR:CB	10	0.26	0.0	0.26
(1,201)	1:92:C:THR:CA	1:92:C:THR:CB	10	0.26	0.0	0.26
(1,201)	1:92:E:THR:CA	1:92:E:THR:CB	10	0.26	0.0	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,201)	1:92:D:THR:CA	1:92:D:THR:CB	10	0.26	0.0	0.26
(1,220)	1:92:B:THR:CB	1:92:B:THR:CA	10	0.26	0.0	0.26
(1,220)	1:92:A:THR:CB	1:92:A:THR:CA	10	0.26	0.0	0.26
(1,220)	1:92:C:THR:CB	1:92:C:THR:CA	10	0.26	0.0	0.26
(1,220)	1:92:E:THR:CB	1:92:E:THR:CA	10	0.26	0.0	0.26
(1,220)	1:92:D:THR:CB	1:92:D:THR:CA	10	0.26	0.0	0.26
(1,72)	1:70:D:VAL:CB	1:70:D:VAL:CA	10	0.26	0.0	0.26
(1,72)	1:70:C:VAL:CB	1:70:C:VAL:CA	10	0.26	0.0	0.26
(1,72)	1:70:A:VAL:CB	1:70:A:VAL:CA	10	0.26	0.0	0.26
(1,553)	1:48:A:VAL:CB	1:50:A:HIS:CB	10	0.26	0.03	0.26
(1,553)	1:48:D:VAL:CB	1:50:D:HIS:CB	10	0.26	0.03	0.26
(1,553)	1:48:B:VAL:CB	1:50:B:HIS:CB	10	0.26	0.03	0.26
(1,553)	1:48:C:VAL:CB	1:50:C:HIS:CB	10	0.26	0.03	0.26
(1,4322)	1:50:A:HIS:CB	1:48:A:VAL:CB	10	0.26	0.03	0.26
(1,4322)	1:50:D:HIS:CB	1:48:D:VAL:CB	10	0.26	0.03	0.26
(1,4322)	1:50:B:HIS:CB	1:48:B:VAL:CB	10	0.26	0.03	0.26
(1,4322)	1:50:C:HIS:CB	1:48:C:VAL:CB	10	0.26	0.03	0.26
(1,4332)	1:50:A:HIS:CB	1:48:A:VAL:CB	10	0.26	0.03	0.26
(1,4332)	1:50:D:HIS:CB	1:48:D:VAL:CB	10	0.26	0.03	0.26
(1,4332)	1:50:B:HIS:CB	1:48:B:VAL:CB	10	0.26	0.03	0.26
(1,4332)	1:50:C:HIS:CB	1:48:C:VAL:CB	10	0.26	0.03	0.26
(1,204)	1:75:C:THR:CA	1:75:C:THR:C	10	0.26	0.01	0.26
(1,204)	1:75:D:THR:CA	1:75:D:THR:C	10	0.26	0.01	0.26
(1,204)	1:75:E:THR:CA	1:75:E:THR:C	10	0.26	0.01	0.26
(1,204)	1:75:B:THR:CA	1:75:B:THR:C	10	0.26	0.01	0.26
(1,204)	1:75:A:THR:CA	1:75:A:THR:C	10	0.26	0.01	0.26
(1,3)	1:81:D:THR:CG2	1:81:D:THR:CB	10	0.25	0.0	0.25
(1,3)	1:81:E:THR:CG2	1:81:E:THR:CB	10	0.25	0.0	0.25
(1,3)	1:81:A:THR:CG2	1:81:A:THR:CB	10	0.25	0.0	0.25
(1,3)	1:81:C:THR:CG2	1:81:C:THR:CB	10	0.25	0.0	0.25
(1,227)	1:81:D:THR:CB	1:81:D:THR:CG2	10	0.25	0.0	0.25
(1,227)	1:81:E:THR:CB	1:81:E:THR:CG2	10	0.25	0.0	0.25
(1,227)	1:81:A:THR:CB	1:81:A:THR:CG2	10	0.25	0.0	0.25
(1,227)	1:81:C:THR:CB	1:81:C:THR:CG2	10	0.25	0.0	0.25
(1,117)	1:67:C:GLY:CA	1:67:C:GLY:C	10	0.25	0.0	0.25
(1,117)	1:67:A:GLY:CA	1:67:A:GLY:C	10	0.25	0.0	0.25
(1,117)	1:67:D:GLY:CA	1:67:D:GLY:C	10	0.25	0.0	0.25
(1,117)	1:67:B:GLY:CA	1:67:B:GLY:C	10	0.25	0.0	0.25
(1,3300)	1:54:A:THR:C	1:51:A:GLY:C	10	0.25	0.17	0.18
(1,3300)	1:54:C:THR:C	1:51:C:GLY:C	10	0.25	0.17	0.18
(1,3300)	1:54:D:THR:C	1:51:D:GLY:C	10	0.25	0.17	0.18
(1,3300)	1:54:B:THR:C	1:51:B:GLY:C	10	0.25	0.17	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3300)	1:54:E:THR:C	1:51:E:GLY:C	10	0.25	0.17	0.18
(1,7)	1:69:A:ALA:CB	1:69:A:ALA:CA	10	0.25	0.0	0.25
(1,7)	1:69:C:ALA:CB	1:69:C:ALA:CA	10	0.25	0.0	0.25
(1,7)	1:69:D:ALA:CB	1:69:D:ALA:CA	10	0.25	0.0	0.25
(1,7)	1:69:E:ALA:CB	1:69:E:ALA:CA	10	0.25	0.0	0.25
(1,7)	1:69:B:ALA:CB	1:69:B:ALA:CA	10	0.25	0.0	0.25
(1,136)	1:69:A:ALA:CA	1:69:A:ALA:CB	10	0.25	0.0	0.25
(1,136)	1:69:C:ALA:CA	1:69:C:ALA:CB	10	0.25	0.0	0.25
(1,136)	1:69:D:ALA:CA	1:69:D:ALA:CB	10	0.25	0.0	0.25
(1,136)	1:69:E:ALA:CA	1:69:E:ALA:CB	10	0.25	0.0	0.25
(1,136)	1:69:B:ALA:CA	1:69:B:ALA:CB	10	0.25	0.0	0.25
(1,1659)	1:83:D:GLU:CB	1:84:D:GLY:CA	10	0.25	0.08	0.2
(1,1659)	1:83:C:GLU:CB	1:84:C:GLY:CA	10	0.25	0.08	0.2
(1,1659)	1:83:A:GLU:CB	1:84:A:GLY:CA	10	0.25	0.08	0.2
(1,1659)	1:83:B:GLU:CB	1:84:B:GLY:CA	10	0.25	0.08	0.2
(1,2513)	1:83:D:GLU:CB	1:84:D:GLY:CA	10	0.25	0.08	0.2
(1,2513)	1:83:C:GLU:CB	1:84:C:GLY:CA	10	0.25	0.08	0.2
(1,2513)	1:83:A:GLU:CB	1:84:A:GLY:CA	10	0.25	0.08	0.2
(1,2513)	1:83:B:GLU:CB	1:84:B:GLY:CA	10	0.25	0.08	0.2
(1,69)	1:74:E:VAL:CB	1:74:E:VAL:CG1	10	0.25	0.0	0.25
(1,69)	1:74:A:VAL:CB	1:74:A:VAL:CG2	10	0.25	0.0	0.25
(1,69)	1:74:D:VAL:CB	1:74:D:VAL:CG2	10	0.25	0.0	0.25
(1,69)	1:74:B:VAL:CB	1:74:B:VAL:CG2	10	0.25	0.0	0.25
(1,69)	1:74:D:VAL:CB	1:74:D:VAL:CG1	10	0.25	0.0	0.25
(1,69)	1:74:C:VAL:CB	1:74:C:VAL:CG2	10	0.25	0.0	0.25
(1,76)	1:74:E:VAL:CG1	1:74:E:VAL:CB	10	0.25	0.0	0.25
(1,76)	1:74:A:VAL:CG2	1:74:A:VAL:CB	10	0.25	0.0	0.25
(1,76)	1:74:D:VAL:CG2	1:74:D:VAL:CB	10	0.25	0.0	0.25
(1,76)	1:74:B:VAL:CG2	1:74:B:VAL:CB	10	0.25	0.0	0.25
(1,76)	1:74:D:VAL:CG1	1:74:D:VAL:CB	10	0.25	0.0	0.25
(1,76)	1:74:C:VAL:CG2	1:74:C:VAL:CB	10	0.25	0.0	0.25
(1,211)	1:42:A:SER:CB	1:42:A:SER:CA	10	0.25	0.0	0.25
(1,211)	1:42:E:SER:CB	1:42:E:SER:CA	10	0.25	0.0	0.25
(1,211)	1:42:B:SER:CB	1:42:B:SER:CA	10	0.25	0.0	0.25
(1,211)	1:42:C:SER:CB	1:42:C:SER:CA	10	0.25	0.0	0.25
(1,17)	1:78:C:ALA:CB	1:78:C:ALA:CA	10	0.24	0.0	0.24
(1,17)	1:78:E:ALA:CB	1:78:E:ALA:CA	10	0.24	0.0	0.24
(1,17)	1:78:A:ALA:CB	1:78:A:ALA:CA	10	0.24	0.0	0.24
(1,17)	1:78:D:ALA:CB	1:78:D:ALA:CA	10	0.24	0.0	0.24
(1,17)	1:78:B:ALA:CB	1:78:B:ALA:CA	10	0.24	0.0	0.24
(1,34)	1:88:A:ILE:CG1	1:88:A:ILE:CD1	10	0.24	0.0	0.24
(1,34)	1:88:D:ILE:CG1	1:88:D:ILE:CD1	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)
(1,34)	1:88:C:ILE:CG1	1:88:C:ILE:CD1	10	0.24	0.0	0.24
(1,34)	1:88:B:ILE:CG1	1:88:B:ILE:CD1	10	0.24	0.0	0.24
(1,63)	1:79:D:GLN:CB	1:79:D:GLN:CA	10	0.24	0.01	0.24
(1,63)	1:79:E:GLN:CB	1:79:E:GLN:CA	10	0.24	0.01	0.24
(1,63)	1:79:B:GLN:CB	1:79:B:GLN:CA	10	0.24	0.01	0.24
(1,63)	1:79:A:GLN:CB	1:79:A:GLN:CA	10	0.24	0.01	0.24
(1,102)	1:88:A:ILE:CD1	1:88:A:ILE:CG1	10	0.24	0.0	0.24
(1,102)	1:88:D:ILE:CD1	1:88:D:ILE:CG1	10	0.24	0.0	0.24
(1,102)	1:88:C:ILE:CD1	1:88:C:ILE:CG1	10	0.24	0.0	0.24
(1,102)	1:88:B:ILE:CD1	1:88:B:ILE:CG1	10	0.24	0.0	0.24
(1,134)	1:78:C:ALA:CA	1:78:C:ALA:CB	10	0.24	0.0	0.24
(1,134)	1:78:E:ALA:CA	1:78:E:ALA:CB	10	0.24	0.0	0.24
(1,134)	1:78:A:ALA:CA	1:78:A:ALA:CB	10	0.24	0.0	0.24
(1,134)	1:78:D:ALA:CA	1:78:D:ALA:CB	10	0.24	0.0	0.24
(1,134)	1:78:B:ALA:CA	1:78:B:ALA:CB	10	0.24	0.0	0.24
(1,150)	1:79:D:GLN:CA	1:79:D:GLN:CB	10	0.24	0.01	0.24
(1,150)	1:79:E:GLN:CA	1:79:E:GLN:CB	10	0.24	0.01	0.24
(1,150)	1:79:B:GLN:CA	1:79:B:GLN:CB	10	0.24	0.01	0.24
(1,150)	1:79:A:GLN:CA	1:79:A:GLN:CB	10	0.24	0.01	0.24
(1,186)	1:44:B:THR:CA	1:44:B:THR:CB	10	0.24	0.0	0.24
(1,186)	1:44:A:THR:CA	1:44:A:THR:CB	10	0.24	0.0	0.24
(1,186)	1:44:D:THR:CA	1:44:D:THR:CB	10	0.24	0.0	0.24
(1,186)	1:44:C:THR:CA	1:44:C:THR:CB	10	0.24	0.0	0.24
(1,186)	1:44:E:THR:CA	1:44:E:THR:CB	10	0.24	0.0	0.24
(1,225)	1:44:B:THR:CB	1:44:B:THR:CA	10	0.24	0.0	0.24
(1,225)	1:44:A:THR:CB	1:44:A:THR:CA	10	0.24	0.0	0.24
(1,225)	1:44:D:THR:CB	1:44:D:THR:CA	10	0.24	0.0	0.24
(1,225)	1:44:C:THR:CB	1:44:C:THR:CA	10	0.24	0.0	0.24
(1,225)	1:44:E:THR:CB	1:44:E:THR:CA	10	0.24	0.0	0.24
(1,21)	1:58:B:LYS:CG	1:58:B:LYS:CD	10	0.24	0.0	0.24
(1,21)	1:58:D:LYS:CG	1:58:D:LYS:CD	10	0.24	0.0	0.24
(1,21)	1:58:E:LYS:CG	1:58:E:LYS:CD	10	0.24	0.0	0.24
(1,21)	1:58:C:LYS:CG	1:58:C:LYS:CD	10	0.24	0.0	0.24
(1,21)	1:58:A:LYS:CG	1:58:A:LYS:CD	10	0.24	0.0	0.24
(1,46)	1:58:B:LYS:CD	1:58:B:LYS:CG	10	0.24	0.0	0.24
(1,46)	1:58:D:LYS:CD	1:58:D:LYS:CG	10	0.24	0.0	0.24
(1,46)	1:58:E:LYS:CD	1:58:E:LYS:CG	10	0.24	0.0	0.24
(1,46)	1:58:C:LYS:CD	1:58:C:LYS:CG	10	0.24	0.0	0.24
(1,46)	1:58:A:LYS:CD	1:58:A:LYS:CG	10	0.24	0.0	0.24
(1,147)	1:65:C:ASN:CA	1:65:C:ASN:C	10	0.24	0.0	0.24
(1,147)	1:65:A:ASN:CA	1:65:A:ASN:C	10	0.24	0.0	0.24
(1,147)	1:65:B:ASN:CA	1:65:B:ASN: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)
(1,147)	1:65:E:ASN:CA	1:65:E:ASN:C	10	0.24	0.0	0.24
(1,200)	1:81:C:THR:CA	1:81:C:THR:CB	10	0.24	0.0	0.24
(1,200)	1:81:D:THR:CA	1:81:D:THR:CB	10	0.24	0.0	0.24
(1,200)	1:81:B:THR:CA	1:81:B:THR:CB	10	0.24	0.0	0.24
(1,200)	1:81:A:THR:CA	1:81:A:THR:CB	10	0.24	0.0	0.24
(1,229)	1:81:C:THR:CB	1:81:C:THR:CA	10	0.24	0.0	0.24
(1,229)	1:81:D:THR:CB	1:81:D:THR:CA	10	0.24	0.0	0.24
(1,229)	1:81:B:THR:CB	1:81:B:THR:CA	10	0.24	0.0	0.24
(1,229)	1:81:A:THR:CB	1:81:A:THR:CA	10	0.24	0.0	0.24
(1,44)	1:58:E:LYS:CD	1:58:E:LYS:CE	10	0.24	0.01	0.24
(1,44)	1:58:D:LYS:CD	1:58:D:LYS:CE	10	0.24	0.01	0.24
(1,44)	1:58:A:LYS:CD	1:58:A:LYS:CE	10	0.24	0.01	0.24
(1,44)	1:58:C:LYS:CD	1:58:C:LYS:CE	10	0.24	0.01	0.24
(1,44)	1:58:B:LYS:CD	1:58:B:LYS:CE	10	0.24	0.01	0.24
(1,97)	1:58:E:LYS:CE	1:58:E:LYS:CD	10	0.24	0.01	0.24
(1,97)	1:58:D:LYS:CE	1:58:D:LYS:CD	10	0.24	0.01	0.24
(1,97)	1:58:A:LYS:CE	1:58:A:LYS:CD	10	0.24	0.01	0.24
(1,97)	1:58:C:LYS:CE	1:58:C:LYS:CD	10	0.24	0.01	0.24
(1,97)	1:58:B:LYS:CE	1:58:B:LYS:CD	10	0.24	0.01	0.24
(1,205)	1:75:D:THR:CA	1:75:D:THR:CB	10	0.24	0.0	0.24
(1,205)	1:75:C:THR:CA	1:75:C:THR:CB	10	0.24	0.0	0.24
(1,205)	1:75:A:THR:CA	1:75:A:THR:CB	10	0.24	0.0	0.24
(1,205)	1:75:B:THR:CA	1:75:B:THR:CB	10	0.24	0.0	0.24
(1,205)	1:75:E:THR:CA	1:75:E:THR:CB	10	0.24	0.0	0.24
(1,223)	1:75:D:THR:CB	1:75:D:THR:CA	10	0.24	0.0	0.24
(1,223)	1:75:C:THR:CB	1:75:C:THR:CA	10	0.24	0.0	0.24
(1,223)	1:75:A:THR:CB	1:75:A:THR:CA	10	0.24	0.0	0.24
(1,223)	1:75:B:THR:CB	1:75:B:THR:CA	10	0.24	0.0	0.24
(1,223)	1:75:E:THR:CB	1:75:E:THR:CA	10	0.24	0.0	0.24
(1,126)	1:47:A:GLY:CA	1:47:A:GLY:C	10	0.24	0.0	0.24
(1,126)	1:47:D:GLY:CA	1:47:D:GLY:C	10	0.24	0.0	0.24
(1,126)	1:47:E:GLY:CA	1:47:E:GLY:C	10	0.24	0.0	0.24
(1,35)	1:88:A:ILE:CG1	1:88:A:ILE:CB	10	0.24	0.0	0.24
(1,35)	1:88:B:ILE:CG1	1:88:B:ILE:CB	10	0.24	0.0	0.24
(1,35)	1:88:C:ILE:CG1	1:88:C:ILE:CB	10	0.24	0.0	0.24
(1,35)	1:88:E:ILE:CG1	1:88:E:ILE:CB	10	0.24	0.0	0.24
(1,35)	1:88:D:ILE:CG1	1:88:D:ILE:CB	10	0.24	0.0	0.24
(1,93)	1:88:A:ILE:CB	1:88:A:ILE:CG1	10	0.24	0.0	0.24
(1,93)	1:88:B:ILE:CB	1:88:B:ILE:CG1	10	0.24	0.0	0.24
(1,93)	1:88:C:ILE:CB	1:88:C:ILE:CG1	10	0.24	0.0	0.24
(1,93)	1:88:E:ILE:CB	1:88:E:ILE:CG1	10	0.24	0.0	0.24
(1,93)	1:88:D:ILE:CB	1:88:D:ILE:CG1	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)
(1,50)	1:89:B:ALA:CB	1:89:A:ALA:CA	10	0.23	0.02	0.24
(1,50)	1:89:D:ALA:CB	1:89:D:ALA:CA	10	0.23	0.02	0.24
(1,50)	1:89:B:ALA:CB	1:89:B:ALA:CA	10	0.23	0.02	0.24
(1,50)	1:89:B:ALA:CB	1:89:C:ALA:CA	10	0.23	0.02	0.24
(1,50)	1:89:D:ALA:CB	1:89:E:ALA:CA	10	0.23	0.02	0.24
(1,50)	1:89:E:ALA:CB	1:89:D:ALA:CA	10	0.23	0.02	0.24
(1,165)	1:89:A:ALA:CA	1:89:B:ALA:CB	10	0.23	0.02	0.24
(1,165)	1:89:D:ALA:CA	1:89:D:ALA:CB	10	0.23	0.02	0.24
(1,165)	1:89:B:ALA:CA	1:89:B:ALA:CB	10	0.23	0.02	0.24
(1,165)	1:89:C:ALA:CA	1:89:B:ALA:CB	10	0.23	0.02	0.24
(1,165)	1:89:E:ALA:CA	1:89:D:ALA:CB	10	0.23	0.02	0.24
(1,165)	1:89:D:ALA:CA	1:89:E:ALA:CB	10	0.23	0.02	0.24
(1,29)	1:80:D:LYS:CG	1:80:D:LYS:CD	10	0.23	0.02	0.24
(1,29)	1:80:E:LYS:CG	1:80:E:LYS:CD	10	0.23	0.02	0.24
(1,29)	1:80:C:LYS:CG	1:80:C:LYS:CD	10	0.23	0.02	0.24
(1,29)	1:80:A:LYS:CG	1:80:A:LYS:CD	10	0.23	0.02	0.24
(1,29)	1:80:C:LYS:CG	1:80:D:LYS:CD	10	0.23	0.02	0.24
(1,29)	1:80:B:LYS:CG	1:80:B:LYS:CD	10	0.23	0.02	0.24
(1,55)	1:80:D:LYS:CD	1:80:D:LYS:CG	10	0.23	0.02	0.24
(1,55)	1:80:E:LYS:CD	1:80:E:LYS:CG	10	0.23	0.02	0.24
(1,55)	1:80:C:LYS:CD	1:80:C:LYS:CG	10	0.23	0.02	0.24
(1,55)	1:80:A:LYS:CD	1:80:A:LYS:CG	10	0.23	0.02	0.24
(1,55)	1:80:D:LYS:CD	1:80:C:LYS:CG	10	0.23	0.02	0.24
(1,55)	1:80:B:LYS:CD	1:80:B:LYS:CG	10	0.23	0.02	0.24
(1,37)	1:85:C:ALA:CB	1:85:C:ALA:CA	10	0.23	0.0	0.23
(1,37)	1:85:E:ALA:CB	1:85:E:ALA:CA	10	0.23	0.0	0.23
(1,37)	1:85:D:ALA:CB	1:85:D:ALA:CA	10	0.23	0.0	0.23
(1,37)	1:85:A:ALA:CB	1:85:A:ALA:CA	10	0.23	0.0	0.23
(1,37)	1:85:B:ALA:CB	1:85:B:ALA:CA	10	0.23	0.0	0.23
(1,155)	1:85:C:ALA:CA	1:85:C:ALA:CB	10	0.23	0.0	0.23
(1,155)	1:85:E:ALA:CA	1:85:E:ALA:CB	10	0.23	0.0	0.23
(1,155)	1:85:D:ALA:CA	1:85:D:ALA:CB	10	0.23	0.0	0.23
(1,155)	1:85:A:ALA:CA	1:85:A:ALA:CB	10	0.23	0.0	0.23
(1,155)	1:85:B:ALA:CA	1:85:B:ALA:CB	10	0.23	0.0	0.23
(1,181)	1:72:A:THR:CA	1:72:A:THR:CB	10	0.23	0.01	0.23
(1,181)	1:72:D:THR:CA	1:72:D:THR:CB	10	0.23	0.01	0.23
(1,181)	1:72:E:THR:CA	1:72:E:THR:CB	10	0.23	0.01	0.23
(1,181)	1:72:C:THR:CA	1:72:C:THR:CB	10	0.23	0.01	0.23
(1,181)	1:72:B:THR:CA	1:72:B:THR:CB	10	0.23	0.01	0.23
(1,216)	1:72:A:THR:CB	1:72:A:THR:CA	10	0.23	0.01	0.23
(1,216)	1:72:D:THR:CB	1:72:D:THR:CA	10	0.23	0.01	0.23
(1,216)	1:72:E:THR:CB	1:72:E:THR:CA	10	0.23	0.01	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,216)	1:72:C:THR:CB	1:72:C:THR:CA	10	0.23	0.01	0.23
(1,216)	1:72:B:THR:CB	1:72:B:THR:CA	10	0.23	0.01	0.23
(1,80)	1:48:D:VAL:CB	1:48:D:VAL:CA	10	0.23	0.01	0.22
(1,80)	1:48:A:VAL:CB	1:48:A:VAL:CA	10	0.23	0.01	0.22
(1,80)	1:48:B:VAL:CB	1:48:B:VAL:CA	10	0.23	0.01	0.22
(1,80)	1:48:E:VAL:CB	1:48:E:VAL:CA	10	0.23	0.01	0.22
(1,80)	1:48:C:VAL:CB	1:48:C:VAL:CA	10	0.23	0.01	0.22
(1,185)	1:48:D:VAL:CA	1:48:D:VAL:CB	10	0.23	0.01	0.22
(1,185)	1:48:A:VAL:CA	1:48:A:VAL:CB	10	0.23	0.01	0.22
(1,185)	1:48:B:VAL:CA	1:48:B:VAL:CB	10	0.23	0.01	0.22
(1,185)	1:48:E:VAL:CA	1:48:E:VAL:CB	10	0.23	0.01	0.22
(1,185)	1:48:C:VAL:CA	1:48:C:VAL:CB	10	0.23	0.01	0.22
(1,92)	1:88:B:ILE:CB	1:88:B:ILE:CG2	10	0.22	0.0	0.22
(1,92)	1:88:A:ILE:CB	1:88:A:ILE:CG2	10	0.22	0.0	0.22
(1,92)	1:88:E:ILE:CB	1:88:E:ILE:CG2	10	0.22	0.0	0.22
(1,92)	1:88:C:ILE:CB	1:88:C:ILE:CG2	10	0.22	0.0	0.22
(1,92)	1:88:D:ILE:CB	1:88:D:ILE:CG2	10	0.22	0.0	0.22
(1,268)	1:88:B:ILE:CG2	1:88:B:ILE:CB	10	0.22	0.0	0.22
(1,268)	1:88:A:ILE:CG2	1:88:A:ILE:CB	10	0.22	0.0	0.22
(1,268)	1:88:E:ILE:CG2	1:88:E:ILE:CB	10	0.22	0.0	0.22
(1,268)	1:88:C:ILE:CG2	1:88:C:ILE:CB	10	0.22	0.0	0.22
(1,268)	1:88:D:ILE:CG2	1:88:D:ILE:CB	10	0.22	0.0	0.22
(1,2317)	1:61:E:GLU:CA	1:58:E:LYS:CD	10	0.22	0.04	0.22
(1,2317)	1:61:D:GLU:CA	1:58:D:LYS:CD	10	0.22	0.04	0.22
(1,2317)	1:61:B:GLU:CA	1:58:B:LYS:CD	10	0.22	0.04	0.22
(1,2317)	1:61:A:GLU:CA	1:58:A:LYS:CD	10	0.22	0.04	0.22
(1,2806)	1:58:E:LYS:CD	1:61:E:GLU:CA	10	0.22	0.04	0.22
(1,2806)	1:58:D:LYS:CD	1:61:D:GLU:CA	10	0.22	0.04	0.22
(1,2806)	1:58:B:LYS:CD	1:61:B:GLU:CA	10	0.22	0.04	0.22
(1,2806)	1:58:A:LYS:CD	1:61:A:GLU:CA	10	0.22	0.04	0.22
(1,2822)	1:58:E:LYS:CD	1:61:E:GLU:CA	10	0.22	0.04	0.22
(1,2822)	1:58:D:LYS:CD	1:61:D:GLU:CA	10	0.22	0.04	0.22
(1,2822)	1:58:B:LYS:CD	1:61:B:GLU:CA	10	0.22	0.04	0.22
(1,2822)	1:58:A:LYS:CD	1:61:A:GLU:CA	10	0.22	0.04	0.22
(1,2835)	1:58:E:LYS:CD	1:61:E:GLU:CA	10	0.22	0.04	0.22
(1,2835)	1:58:D:LYS:CD	1:61:D:GLU:CA	10	0.22	0.04	0.22
(1,2835)	1:58:B:LYS:CD	1:61:B:GLU:CA	10	0.22	0.04	0.22
(1,2835)	1:58:A:LYS:CD	1:61:A:GLU:CA	10	0.22	0.04	0.22
(1,3878)	1:61:E:GLU:CA	1:58:E:LYS:CD	10	0.22	0.04	0.22
(1,3878)	1:61:D:GLU:CA	1:58:D:LYS:CD	10	0.22	0.04	0.22
(1,3878)	1:61:B:GLU:CA	1:58:B:LYS:CD	10	0.22	0.04	0.22
(1,3878)	1:61:A:GLU:CA	1:58:A:LYS:CD	10	0.22	0.04	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3883)	1:61:E:GLU:CA	1:58:E:LYS:CD	10	0.22	0.04	0.22
(1,3883)	1:61:D:GLU:CA	1:58:D:LYS:CD	10	0.22	0.04	0.22
(1,3883)	1:61:B:GLU:CA	1:58:B:LYS:CD	10	0.22	0.04	0.22
(1,3883)	1:61:A:GLU:CA	1:58:A:LYS:CD	10	0.22	0.04	0.22
(1,3897)	1:61:E:GLU:CA	1:58:E:LYS:CD	10	0.22	0.04	0.22
(1,3897)	1:61:D:GLU:CA	1:58:D:LYS:CD	10	0.22	0.04	0.22
(1,3897)	1:61:B:GLU:CA	1:58:B:LYS:CD	10	0.22	0.04	0.22
(1,3897)	1:61:A:GLU:CA	1:58:A:LYS:CD	10	0.22	0.04	0.22
(1,3905)	1:61:E:GLU:CA	1:58:E:LYS:CD	10	0.22	0.04	0.22
(1,3905)	1:61:D:GLU:CA	1:58:D:LYS:CD	10	0.22	0.04	0.22
(1,3905)	1:61:B:GLU:CA	1:58:B:LYS:CD	10	0.22	0.04	0.22
(1,3905)	1:61:A:GLU:CA	1:58:A:LYS:CD	10	0.22	0.04	0.22
(1,163)	1:94:B:PHE:CA	1:94:B:PHE:CZ	10	0.17	0.03	0.17
(1,163)	1:94:A:PHE:CA	1:94:A:PHE:CZ	10	0.17	0.03	0.17
(1,163)	1:94:D:PHE:CA	1:94:D:PHE:CZ	10	0.17	0.03	0.17
(1,163)	1:94:C:PHE:CA	1:94:C:PHE:CZ	10	0.17	0.03	0.17
(1,685)	1:94:B:PHE:CA	1:94:B:PHE:CZ	10	0.17	0.03	0.17
(1,685)	1:94:A:PHE:CA	1:94:A:PHE:CZ	10	0.17	0.03	0.17
(1,685)	1:94:D:PHE:CA	1:94:D:PHE:CZ	10	0.17	0.03	0.17
(1,685)	1:94:C:PHE:CA	1:94:C:PHE:CZ	10	0.17	0.03	0.17
(1,279)	1:87:A:SER:CA	1:88:A:ILE:CG2	10	0.13	0.02	0.14
(1,279)	1:87:C:SER:CA	1:88:C:ILE:CG2	10	0.13	0.02	0.14
(1,279)	1:87:E:SER:CA	1:88:E:ILE:CG2	10	0.13	0.02	0.14
(1,279)	1:87:B:SER:CA	1:88:B:ILE:CG2	10	0.13	0.02	0.14
(1,456)	1:88:A:ILE:CG2	1:87:A:SER:CA	10	0.13	0.02	0.14
(1,456)	1:88:C:ILE:CG2	1:87:C:SER:CA	10	0.13	0.02	0.14
(1,456)	1:88:E:ILE:CG2	1:87:E:SER:CA	10	0.13	0.02	0.14
(1,456)	1:88:B:ILE:CG2	1:87:B:SER:CA	10	0.13	0.02	0.14
(1,752)	1:88:A:ILE:CG2	1:87:A:SER:CA	10	0.13	0.02	0.14
(1,752)	1:88:C:ILE:CG2	1:87:C:SER:CA	10	0.13	0.02	0.14
(1,752)	1:88:E:ILE:CG2	1:87:E:SER:CA	10	0.13	0.02	0.14
(1,752)	1:88:B:ILE:CG2	1:87:B:SER:CA	10	0.13	0.02	0.14
(1,1037)	1:87:A:SER:CA	1:88:A:ILE:CG2	10	0.13	0.02	0.14
(1,1037)	1:87:C:SER:CA	1:88:C:ILE:CG2	10	0.13	0.02	0.14
(1,1037)	1:87:E:SER:CA	1:88:E:ILE:CG2	10	0.13	0.02	0.14
(1,1037)	1:87:B:SER:CA	1:88:B:ILE:CG2	10	0.13	0.02	0.14
(1,1366)	1:87:A:SER:CA	1:88:A:ILE:CG2	10	0.13	0.02	0.14
(1,1366)	1:87:C:SER:CA	1:88:C:ILE:CG2	10	0.13	0.02	0.14
(1,1366)	1:87:E:SER:CA	1:88:E:ILE:CG2	10	0.13	0.02	0.14
(1,1366)	1:87:B:SER:CA	1:88:B:ILE:CG2	10	0.13	0.02	0.14
(1,1920)	1:87:A:SER:CA	1:88:A:ILE:CG2	10	0.13	0.02	0.14
(1,1920)	1:87:C:SER:CA	1:88:C:ILE:CG2	10	0.13	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1920)	1:87:E:SER:CA	1:88:E:ILE:CG2	10	0.13	0.02	0.14
(1,1920)	1:87:B:SER:CA	1:88:B:ILE:CG2	10	0.13	0.02	0.14
(1,2968)	1:88:A:ILE:CG2	1:87:A:SER:CA	10	0.13	0.02	0.14
(1,2968)	1:88:C:ILE:CG2	1:87:C:SER:CA	10	0.13	0.02	0.14
(1,2968)	1:88:E:ILE:CG2	1:87:E:SER:CA	10	0.13	0.02	0.14
(1,2968)	1:88:B:ILE:CG2	1:87:B:SER:CA	10	0.13	0.02	0.14
(1,4206)	1:80:A:LYS:CG	1:82:A:VAL:CG2	9	0.82	0.12	0.82
(1,4206)	1:80:E:LYS:CG	1:82:E:VAL:CG2	9	0.82	0.12	0.82
(1,4206)	1:80:D:LYS:CG	1:82:D:VAL:CG2	9	0.82	0.12	0.82
(1,4206)	1:80:C:LYS:CG	1:82:C:VAL:CG2	9	0.82	0.12	0.82
(1,1338)	1:82:B:VAL:CG1	1:94:B:PHE:CZ	9	0.74	0.31	0.74
(1,1338)	1:82:C:VAL:CG1	1:94:C:PHE:CZ	9	0.74	0.31	0.74
(1,1338)	1:82:A:VAL:CG1	1:94:A:PHE:CZ	9	0.74	0.31	0.74
(1,1338)	1:82:D:VAL:CG1	1:94:D:PHE:CZ	9	0.74	0.31	0.74
(1,1338)	1:82:D:VAL:CG1	1:94:C:PHE:CZ	9	0.74	0.31	0.74
(1,1338)	1:82:C:VAL:CG1	1:94:B:PHE:CZ	9	0.74	0.31	0.74
(1,1989)	1:43:E:LYS:CE	1:39:E:TYR:CB	9	0.7	0.61	0.46
(1,1989)	1:43:D:LYS:CE	1:39:D:TYR:CB	9	0.7	0.61	0.46
(1,1989)	1:43:C:LYS:CE	1:39:C:TYR:CB	9	0.7	0.61	0.46
(1,3754)	1:81:D:THR:C	1:80:D:LYS:CG	9	0.61	0.11	0.63
(1,3754)	1:81:A:THR:C	1:80:A:LYS:CG	9	0.61	0.11	0.63
(1,3754)	1:81:B:THR:C	1:80:B:LYS:CG	9	0.61	0.11	0.63
(1,3754)	1:81:E:THR:C	1:80:E:LYS:CG	9	0.61	0.11	0.63
(1,3754)	1:81:C:THR:C	1:80:C:LYS:CG	9	0.61	0.11	0.63
(1,1663)	1:61:B:GLU:CB	1:58:B:LYS:CG	9	0.53	0.15	0.6
(1,1663)	1:61:A:GLU:CB	1:58:A:LYS:CG	9	0.53	0.15	0.6
(1,1663)	1:61:E:GLU:CB	1:58:E:LYS:CG	9	0.53	0.15	0.6
(1,1663)	1:61:C:GLU:CB	1:58:C:LYS:CG	9	0.53	0.15	0.6
(1,1663)	1:61:D:GLU:CB	1:58:D:LYS:CG	9	0.53	0.15	0.6
(1,4114)	1:58:B:LYS:CG	1:61:B:GLU:CB	9	0.53	0.15	0.6
(1,4114)	1:58:A:LYS:CG	1:61:A:GLU:CB	9	0.53	0.15	0.6
(1,4114)	1:58:E:LYS:CG	1:61:E:GLU:CB	9	0.53	0.15	0.6
(1,4114)	1:58:C:LYS:CG	1:61:C:GLU:CB	9	0.53	0.15	0.6
(1,4114)	1:58:D:LYS:CG	1:61:D:GLU:CB	9	0.53	0.15	0.6
(1,1608)	1:73:A:GLY:CA	1:71:A:VAL:CA	9	0.5	0.28	0.31
(1,1608)	1:73:D:GLY:CA	1:71:D:VAL:CA	9	0.5	0.28	0.31
(1,1608)	1:73:C:GLY:CA	1:71:C:VAL:CA	9	0.5	0.28	0.31
(1,1608)	1:73:B:GLY:CA	1:71:B:VAL:CA	9	0.5	0.28	0.31
(1,2472)	1:71:A:VAL:CA	1:73:A:GLY:CA	9	0.5	0.28	0.31
(1,2472)	1:71:D:VAL:CA	1:73:D:GLY:CA	9	0.5	0.28	0.31
(1,2472)	1:71:C:VAL:CA	1:73:C:GLY:CA	9	0.5	0.28	0.31
(1,2472)	1:71:B:VAL:CA	1:73:B:GLY:CA	9	0.5	0.28	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4000)	1:48:A:VAL:CG2	1:79:B:GLN:CG	9	0.45	0.22	0.47
(1,4000)	1:48:B:VAL:CG2	1:79:C:GLN:CG	9	0.45	0.22	0.47
(1,4000)	1:48:D:VAL:CG2	1:79:E:GLN:CG	9	0.45	0.22	0.47
(1,4000)	1:48:C:VAL:CG2	1:79:D:GLN:CG	9	0.45	0.22	0.47
(1,4000)	1:48:C:VAL:CG2	1:79:C:GLN:CG	9	0.45	0.22	0.47
(1,2334)	1:44:A:THR:C	1:46:A:GLU:CB	9	0.37	0.12	0.39
(1,2334)	1:44:E:THR:C	1:46:E:GLU:CB	9	0.37	0.12	0.39
(1,2334)	1:44:B:THR:C	1:46:B:GLU:CB	9	0.37	0.12	0.39
(1,3089)	1:88:D:ILE:CA	1:81:D:THR:CA	9	0.36	0.16	0.33
(1,3089)	1:88:B:ILE:CA	1:81:C:THR:CA	9	0.36	0.16	0.33
(1,3089)	1:88:C:ILE:CA	1:81:C:THR:CA	9	0.36	0.16	0.33
(1,3089)	1:88:A:ILE:CA	1:81:A:THR:CA	9	0.36	0.16	0.33
(1,1653)	1:46:D:GLU:CG	1:80:E:LYS:CD	9	0.33	0.18	0.26
(1,1653)	1:46:A:GLU:CG	1:80:B:LYS:CD	9	0.33	0.18	0.26
(1,1653)	1:46:C:GLU:CG	1:80:D:LYS:CD	9	0.33	0.18	0.26
(1,1653)	1:46:B:GLU:CG	1:80:C:LYS:CD	9	0.33	0.18	0.26
(1,1653)	1:46:C:GLU:CG	1:80:C:LYS:CD	9	0.33	0.18	0.26
(1,1693)	1:80:E:LYS:CD	1:46:D:GLU:CG	9	0.33	0.18	0.26
(1,1693)	1:80:B:LYS:CD	1:46:A:GLU:CG	9	0.33	0.18	0.26
(1,1693)	1:80:D:LYS:CD	1:46:C:GLU:CG	9	0.33	0.18	0.26
(1,1693)	1:80:C:LYS:CD	1:46:B:GLU:CG	9	0.33	0.18	0.26
(1,1693)	1:80:C:LYS:CD	1:46:C:GLU:CG	9	0.33	0.18	0.26
(1,927)	1:82:C:VAL:CB	1:80:C:LYS:C	9	0.32	0.04	0.31
(1,927)	1:82:E:VAL:CB	1:80:E:LYS:C	9	0.32	0.04	0.31
(1,927)	1:82:A:VAL:CB	1:80:A:LYS:C	9	0.32	0.04	0.31
(1,927)	1:82:B:VAL:CB	1:80:B:LYS:C	9	0.32	0.04	0.31
(1,4136)	1:80:C:LYS:C	1:82:C:VAL:CB	9	0.32	0.04	0.31
(1,4136)	1:80:E:LYS:C	1:82:E:VAL:CB	9	0.32	0.04	0.31
(1,4136)	1:80:A:LYS:C	1:82:A:VAL:CB	9	0.32	0.04	0.31
(1,4136)	1:80:B:LYS:C	1:82:B:VAL:CB	9	0.32	0.04	0.31
(1,4140)	1:80:C:LYS:C	1:82:C:VAL:CB	9	0.32	0.04	0.31
(1,4140)	1:80:E:LYS:C	1:82:E:VAL:CB	9	0.32	0.04	0.31
(1,4140)	1:80:A:LYS:C	1:82:A:VAL:CB	9	0.32	0.04	0.31
(1,4140)	1:80:B:LYS:C	1:82:B:VAL:CB	9	0.32	0.04	0.31
(1,4142)	1:80:C:LYS:C	1:82:C:VAL:CB	9	0.32	0.04	0.31
(1,4142)	1:80:E:LYS:C	1:82:E:VAL:CB	9	0.32	0.04	0.31
(1,4142)	1:80:A:LYS:C	1:82:A:VAL:CB	9	0.32	0.04	0.31
(1,4142)	1:80:B:LYS:C	1:82:B:VAL:CB	9	0.32	0.04	0.31
(1,1669)	1:80:A:LYS:CE	1:79:A:GLN:CA	9	0.3	0.07	0.28
(1,1669)	1:80:C:LYS:CE	1:79:C:GLN:CA	9	0.3	0.07	0.28
(1,1669)	1:80:D:LYS:CE	1:79:D:GLN:CA	9	0.3	0.07	0.28
(1,1669)	1:80:B:LYS:CE	1:79:B:GLN:CA	9	0.3	0.07	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1291)	1:92:B:THR:CB	1:94:B:PHE:CG	9	0.28	0.11	0.33
(1,1291)	1:92:C:THR:CB	1:94:C:PHE:CG	9	0.28	0.11	0.33
(1,1291)	1:92:D:THR:CB	1:94:D:PHE:CG	9	0.28	0.11	0.33
(1,1291)	1:92:A:THR:CB	1:94:A:PHE:CG	9	0.28	0.11	0.33
(1,73)	1:57:C:GLU:CG	1:57:C:GLU:CD	9	0.26	0.0	0.26
(1,73)	1:57:E:GLU:CG	1:57:E:GLU:CD	9	0.26	0.0	0.26
(1,73)	1:57:D:GLU:CG	1:57:D:GLU:CD	9	0.26	0.0	0.26
(1,73)	1:57:B:GLU:CG	1:57:B:GLU:CD	9	0.26	0.0	0.26
(1,73)	1:57:A:GLU:CG	1:57:A:GLU:CD	9	0.26	0.0	0.26
(1,2308)	1:82:A:VAL:CG2	1:79:A:GLN:CA	9	0.25	0.08	0.23
(1,2308)	1:82:D:VAL:CG2	1:79:D:GLN:CA	9	0.25	0.08	0.23
(1,2308)	1:82:C:VAL:CG2	1:79:C:GLN:CA	9	0.25	0.08	0.23
(1,3519)	1:80:A:LYS:CB	1:81:A:THR:CG2	9	0.23	0.05	0.26
(1,3519)	1:80:B:LYS:CB	1:81:B:THR:CG2	9	0.23	0.05	0.26
(1,3519)	1:80:C:LYS:CB	1:81:C:THR:CG2	9	0.23	0.05	0.26
(1,3519)	1:80:D:LYS:CB	1:81:D:THR:CG2	9	0.23	0.05	0.26
(1,1385)	1:88:A:ILE:CD1	1:89:A:ALA:CB	9	0.2	0.08	0.18
(1,1385)	1:88:B:ILE:CD1	1:89:B:ALA:CB	9	0.2	0.08	0.18
(1,1385)	1:88:E:ILE:CD1	1:89:E:ALA:CB	9	0.2	0.08	0.18
(1,1385)	1:88:C:ILE:CD1	1:89:C:ALA:CB	9	0.2	0.08	0.18
(1,1385)	1:88:D:ILE:CD1	1:89:D:ALA:CB	9	0.2	0.08	0.18
(1,3605)	1:89:A:ALA:CB	1:88:A:ILE:CD1	9	0.2	0.08	0.18
(1,3605)	1:89:B:ALA:CB	1:88:B:ILE:CD1	9	0.2	0.08	0.18
(1,3605)	1:89:E:ALA:CB	1:88:E:ILE:CD1	9	0.2	0.08	0.18
(1,3605)	1:89:C:ALA:CB	1:88:C:ILE:CD1	9	0.2	0.08	0.18
(1,3605)	1:89:D:ALA:CB	1:88:D:ILE:CD1	9	0.2	0.08	0.18
(1,3745)	1:89:A:ALA:CB	1:88:A:ILE:CD1	9	0.2	0.08	0.18
(1,3745)	1:89:B:ALA:CB	1:88:B:ILE:CD1	9	0.2	0.08	0.18
(1,3745)	1:89:E:ALA:CB	1:88:E:ILE:CD1	9	0.2	0.08	0.18
(1,3745)	1:89:C:ALA:CB	1:88:C:ILE:CD1	9	0.2	0.08	0.18
(1,3745)	1:89:D:ALA:CB	1:88:D:ILE:CD1	9	0.2	0.08	0.18
(1,3850)	1:88:A:ILE:CD1	1:89:A:ALA:CB	9	0.2	0.08	0.18
(1,3850)	1:88:B:ILE:CD1	1:89:B:ALA:CB	9	0.2	0.08	0.18
(1,3850)	1:88:E:ILE:CD1	1:89:E:ALA:CB	9	0.2	0.08	0.18
(1,3850)	1:88:C:ILE:CD1	1:89:C:ALA:CB	9	0.2	0.08	0.18
(1,3850)	1:88:D:ILE:CD1	1:89:D:ALA:CB	9	0.2	0.08	0.18
(1,848)	1:83:B:GLU:CA	1:81:B:THR:CB	9	0.16	0.04	0.17
(1,848)	1:83:A:GLU:CA	1:81:A:THR:CB	9	0.16	0.04	0.17
(1,848)	1:83:E:GLU:CA	1:81:E:THR:CB	9	0.16	0.04	0.17
(1,1276)	1:81:B:THR:CB	1:83:B:GLU:CA	9	0.16	0.04	0.17
(1,1276)	1:81:A:THR:CB	1:83:A:GLU:CA	9	0.16	0.04	0.17
(1,1276)	1:81:E:THR:CB	1:83:E:GLU:CA	9	0.16	0.04	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3004)	1:45:C:LYS:CE	1:48:C:VAL:CA	8	1.01	0.16	1.04
(1,3004)	1:45:D:LYS:CE	1:48:D:VAL:CA	8	1.01	0.16	1.04
(1,3004)	1:45:A:LYS:CE	1:48:A:VAL:CA	8	1.01	0.16	1.04
(1,4181)	1:79:C:GLN:CD	1:46:B:GLU:CG	8	0.78	0.3	0.67
(1,4181)	1:79:B:GLN:CD	1:46:A:GLU:CG	8	0.78	0.3	0.67
(1,4181)	1:79:E:GLN:CD	1:46:E:GLU:CG	8	0.78	0.3	0.67
(1,4181)	1:79:D:GLN:CD	1:46:C:GLU:CG	8	0.78	0.3	0.67
(1,4181)	1:79:B:GLN:CD	1:46:B:GLU:CG	8	0.78	0.3	0.67
(1,2291)	1:41:A:GLY:C	1:39:A:TYR:CE1	8	0.71	0.29	0.72
(1,2291)	1:41:C:GLY:C	1:39:C:TYR:CE2	8	0.71	0.29	0.72
(1,2291)	1:41:A:GLY:C	1:39:A:TYR:CE2	8	0.71	0.29	0.72
(1,2291)	1:41:B:GLY:C	1:39:B:TYR:CE1	8	0.71	0.29	0.72
(1,2291)	1:41:D:GLY:C	1:39:D:TYR:CE1	8	0.71	0.29	0.72
(1,2291)	1:41:C:GLY:C	1:39:C:TYR:CE1	8	0.71	0.29	0.72
(1,2291)	1:41:D:GLY:C	1:39:D:TYR:CE2	8	0.71	0.29	0.72
(1,2423)	1:48:C:VAL:CG2	1:45:C:LYS:CE	8	0.66	0.22	0.54
(1,2423)	1:48:B:VAL:CG1	1:45:B:LYS:CE	8	0.66	0.22	0.54
(1,2423)	1:48:D:VAL:CG2	1:45:D:LYS:CE	8	0.66	0.22	0.54
(1,2423)	1:48:B:VAL:CG2	1:45:B:LYS:CE	8	0.66	0.22	0.54
(1,2423)	1:48:A:VAL:CG2	1:45:A:LYS:CE	8	0.66	0.22	0.54
(1,4356)	1:95:A:VAL:CG1	1:98:A:ASP:CB	8	0.53	0.25	0.62
(1,4356)	1:95:D:VAL:CG1	1:98:D:ASP:CB	8	0.53	0.25	0.62
(1,4356)	1:95:B:VAL:CG1	1:98:B:ASP:CB	8	0.53	0.25	0.62
(1,4356)	1:95:C:VAL:CG1	1:98:C:ASP:CB	8	0.53	0.25	0.62
(1,3543)	1:42:D:SER:CA	1:37:D:VAL:C	8	0.5	0.33	0.38
(1,3543)	1:42:A:SER:CA	1:37:A:VAL:C	8	0.5	0.33	0.38
(1,3543)	1:42:C:SER:CA	1:37:C:VAL:C	8	0.5	0.33	0.38
(1,3543)	1:42:B:SER:CA	1:37:B:VAL:C	8	0.5	0.33	0.38
(1,2413)	1:81:D:THR:CG2	1:80:D:LYS:CE	8	0.44	0.19	0.35
(1,2413)	1:81:A:THR:CG2	1:80:A:LYS:CE	8	0.44	0.19	0.35
(1,2413)	1:81:C:THR:CG2	1:80:C:LYS:CE	8	0.44	0.19	0.35
(1,2413)	1:81:E:THR:CG2	1:80:E:LYS:CE	8	0.44	0.19	0.35
(1,2413)	1:81:B:THR:CG2	1:80:B:LYS:CE	8	0.44	0.19	0.35
(1,3709)	1:45:A:LYS:CA	1:43:A:LYS:CG	8	0.42	0.1	0.4
(1,3709)	1:45:C:LYS:CA	1:43:C:LYS:CG	8	0.42	0.1	0.4
(1,3709)	1:45:D:LYS:CA	1:43:D:LYS:CG	8	0.42	0.1	0.4
(1,3709)	1:45:B:LYS:CA	1:43:B:LYS:CG	8	0.42	0.1	0.4
(1,1627)	1:70:C:VAL:CA	1:94:B:PHE:CA	8	0.42	0.17	0.36
(1,1627)	1:70:B:VAL:CA	1:94:B:PHE:CA	8	0.42	0.17	0.36
(1,1627)	1:70:D:VAL:CA	1:94:C:PHE:CA	8	0.42	0.17	0.36
(1,1627)	1:70:B:VAL:CA	1:94:A:PHE:CA	8	0.42	0.17	0.36
(1,1627)	1:70:E:VAL:CA	1:94:D:PHE:CA	8	0.42	0.17	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2250)	1:77:D:VAL:C	1:75:D:THR:C	8	0.39	0.15	0.34
(1,2250)	1:77:A:VAL:C	1:75:A:THR:C	8	0.39	0.15	0.34
(1,2250)	1:77:E:VAL:C	1:75:E:THR:C	8	0.39	0.15	0.34
(1,2250)	1:77:B:VAL:C	1:75:B:THR:C	8	0.39	0.15	0.34
(1,2250)	1:77:C:VAL:C	1:75:C:THR:C	8	0.39	0.15	0.34
(1,3365)	1:75:D:THR:C	1:77:D:VAL:C	8	0.39	0.15	0.34
(1,3365)	1:75:A:THR:C	1:77:A:VAL:C	8	0.39	0.15	0.34
(1,3365)	1:75:E:THR:C	1:77:E:VAL:C	8	0.39	0.15	0.34
(1,3365)	1:75:B:THR:C	1:77:B:VAL:C	8	0.39	0.15	0.34
(1,3365)	1:75:C:THR:C	1:77:C:VAL:C	8	0.39	0.15	0.34
(1,4236)	1:73:B:GLY:CA	1:70:B:VAL:CB	8	0.39	0.09	0.4
(1,4236)	1:73:E:GLY:CA	1:70:E:VAL:CB	8	0.39	0.09	0.4
(1,4236)	1:73:C:GLY:CA	1:70:C:VAL:CB	8	0.39	0.09	0.4
(1,4236)	1:73:A:GLY:CA	1:70:A:VAL:CB	8	0.39	0.09	0.4
(1,4255)	1:73:B:GLY:CA	1:70:B:VAL:CB	8	0.39	0.09	0.4
(1,4255)	1:73:E:GLY:CA	1:70:E:VAL:CB	8	0.39	0.09	0.4
(1,4255)	1:73:C:GLY:CA	1:70:C:VAL:CB	8	0.39	0.09	0.4
(1,4255)	1:73:A:GLY:CA	1:70:A:VAL:CB	8	0.39	0.09	0.4
(1,4321)	1:96:C:LYS:CD	1:95:C:VAL:CG1	8	0.35	0.14	0.3
(1,4321)	1:96:B:LYS:CD	1:95:B:VAL:CG1	8	0.35	0.14	0.3
(1,4321)	1:96:A:LYS:CD	1:95:A:VAL:CG1	8	0.35	0.14	0.3
(1,4321)	1:96:D:LYS:CD	1:95:D:VAL:CG1	8	0.35	0.14	0.3
(1,793)	1:77:D:VAL:CA	1:75:D:THR:CA	8	0.33	0.11	0.3
(1,793)	1:77:C:VAL:CA	1:75:C:THR:CA	8	0.33	0.11	0.3
(1,793)	1:77:E:VAL:CA	1:75:E:THR:CA	8	0.33	0.11	0.3
(1,793)	1:77:B:VAL:CA	1:75:B:THR:CA	8	0.33	0.11	0.3
(1,723)	1:88:B:ILE:CG2	1:89:B:ALA:CA	8	0.31	0.03	0.32
(1,723)	1:88:A:ILE:CG2	1:89:A:ALA:CA	8	0.31	0.03	0.32
(1,723)	1:88:E:ILE:CG2	1:89:E:ALA:CA	8	0.31	0.03	0.32
(1,1044)	1:89:B:ALA:CA	1:88:B:ILE:CG2	8	0.31	0.03	0.32
(1,1044)	1:89:A:ALA:CA	1:88:A:ILE:CG2	8	0.31	0.03	0.32
(1,1044)	1:89:E:ALA:CA	1:88:E:ILE:CG2	8	0.31	0.03	0.32
(1,4002)	1:44:E:THR:CG2	1:43:E:LYS:CD	8	0.28	0.17	0.27
(1,4002)	1:44:B:THR:CG2	1:43:B:LYS:CD	8	0.28	0.17	0.27
(1,4002)	1:44:D:THR:CG2	1:43:D:LYS:CD	8	0.28	0.17	0.27
(1,4002)	1:44:A:THR:CG2	1:43:A:LYS:CD	8	0.28	0.17	0.27
(1,4002)	1:44:C:THR:CG2	1:43:C:LYS:CD	8	0.28	0.17	0.27
(1,3973)	1:46:D:GLU:CA	1:80:E:LYS:CD	8	0.27	0.25	0.15
(1,3973)	1:46:A:GLU:CA	1:80:B:LYS:CD	8	0.27	0.25	0.15
(1,3973)	1:46:C:GLU:CA	1:80:D:LYS:CD	8	0.27	0.25	0.15
(1,3973)	1:46:B:GLU:CA	1:80:C:LYS:CD	8	0.27	0.25	0.15
(1,510)	1:79:D:GLN:CG	1:82:D:VAL:CB	8	0.26	0.1	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,510)	1:79:C:GLN:CG	1:82:C:VAL:CB	8	0.26	0.1	0.2
(1,510)	1:79:E:GLN:CG	1:82:E:VAL:CB	8	0.26	0.1	0.2
(1,510)	1:79:A:GLN:CG	1:82:A:VAL:CB	8	0.26	0.1	0.2
(1,2039)	1:79:D:GLN:CG	1:82:D:VAL:CB	8	0.26	0.1	0.2
(1,2039)	1:79:C:GLN:CG	1:82:C:VAL:CB	8	0.26	0.1	0.2
(1,2039)	1:79:E:GLN:CG	1:82:E:VAL:CB	8	0.26	0.1	0.2
(1,2039)	1:79:A:GLN:CG	1:82:A:VAL:CB	8	0.26	0.1	0.2
(1,4232)	1:61:E:GLU:CD	1:60:E:LYS:CB	8	0.14	0.03	0.13
(1,4232)	1:61:A:GLU:CD	1:60:A:LYS:CB	8	0.14	0.03	0.13
(1,4232)	1:61:D:GLU:CD	1:60:D:LYS:CB	8	0.14	0.03	0.13
(1,4232)	1:61:C:GLU:CD	1:60:C:LYS:CB	8	0.14	0.03	0.13
(1,3346)	1:72:D:THR:CB	1:64:D:THR:C	7	0.84	0.47	0.69
(1,3346)	1:72:A:THR:CB	1:64:A:THR:C	7	0.84	0.47	0.69
(1,3346)	1:72:D:THR:CB	1:64:C:THR:C	7	0.84	0.47	0.69
(1,3346)	1:72:B:THR:CB	1:64:A:THR:C	7	0.84	0.47	0.69
(1,3346)	1:72:E:THR:CB	1:64:E:THR:C	7	0.84	0.47	0.69
(1,3696)	1:94:E:PHE:CD2	1:97:E:LYS:CG	7	0.69	0.39	0.53
(1,3696)	1:94:E:PHE:CD1	1:97:E:LYS:CG	7	0.69	0.39	0.53
(1,3696)	1:94:A:PHE:CD2	1:97:A:LYS:CG	7	0.69	0.39	0.53
(1,3696)	1:94:A:PHE:CD1	1:97:A:LYS:CG	7	0.69	0.39	0.53
(1,3696)	1:94:B:PHE:CD2	1:97:B:LYS:CG	7	0.69	0.39	0.53
(1,2384)	1:94:A:PHE:C	1:97:A:LYS:CE	7	0.57	0.44	0.24
(1,2384)	1:94:C:PHE:C	1:97:C:LYS:CE	7	0.57	0.44	0.24
(1,2384)	1:94:B:PHE:C	1:97:B:LYS:CE	7	0.57	0.44	0.24
(1,3562)	1:61:D:GLU:CB	1:62:D:GLN:CD	7	0.47	0.04	0.49
(1,3562)	1:61:E:GLU:CB	1:62:E:GLN:CD	7	0.47	0.04	0.49
(1,3562)	1:61:B:GLU:CB	1:62:B:GLN:CD	7	0.47	0.04	0.49
(1,3562)	1:61:A:GLU:CB	1:62:A:GLN:CD	7	0.47	0.04	0.49
(1,1972)	1:93:A:GLY:CA	1:88:A:ILE:CD1	7	0.46	0.24	0.46
(1,1972)	1:93:D:GLY:CA	1:88:D:ILE:CD1	7	0.46	0.24	0.46
(1,1972)	1:93:B:GLY:CA	1:88:B:ILE:CD1	7	0.46	0.24	0.46
(1,1972)	1:93:A:GLY:CA	1:88:B:ILE:CD1	7	0.46	0.24	0.46
(1,1972)	1:93:C:GLY:CA	1:88:C:ILE:CD1	7	0.46	0.24	0.46
(1,1972)	1:93:E:GLY:CA	1:88:E:ILE:CD1	7	0.46	0.24	0.46
(1,3695)	1:94:B:PHE:C	1:97:B:LYS:CG	7	0.43	0.3	0.36
(1,3695)	1:94:A:PHE:C	1:97:A:LYS:CG	7	0.43	0.3	0.36
(1,3695)	1:94:C:PHE:C	1:97:C:LYS:CG	7	0.43	0.3	0.36
(1,3695)	1:94:D:PHE:C	1:97:D:LYS:CG	7	0.43	0.3	0.36
(1,1871)	1:88:A:ILE:CD1	1:82:A:VAL:CG1	7	0.36	0.11	0.39
(1,1871)	1:88:B:ILE:CD1	1:82:B:VAL:CG1	7	0.36	0.11	0.39
(1,1871)	1:88:C:ILE:CD1	1:82:C:VAL:CG1	7	0.36	0.11	0.39
(1,1871)	1:88:C:ILE:CD1	1:82:D:VAL:CG1	7	0.36	0.11	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1087)	1:70:D:VAL:CG2	1:66:D:VAL:CB	7	0.35	0.14	0.33
(1,1087)	1:70:B:VAL:CG2	1:66:B:VAL:CB	7	0.35	0.14	0.33
(1,1087)	1:70:A:VAL:CG2	1:66:A:VAL:CB	7	0.35	0.14	0.33
(1,1087)	1:70:E:VAL:CG2	1:66:E:VAL:CB	7	0.35	0.14	0.33
(1,1561)	1:92:A:THR:CB	1:94:A:PHE:CZ	7	0.34	0.14	0.38
(1,1561)	1:92:B:THR:CB	1:94:C:PHE:CZ	7	0.34	0.14	0.38
(1,1561)	1:92:D:THR:CB	1:94:D:PHE:CZ	7	0.34	0.14	0.38
(1,1561)	1:92:B:THR:CB	1:94:B:PHE:CZ	7	0.34	0.14	0.38
(1,1561)	1:92:E:THR:CB	1:94:E:PHE:CZ	7	0.34	0.14	0.38
(1,1561)	1:92:C:THR:CB	1:94:C:PHE:CZ	7	0.34	0.14	0.38
(1,2013)	1:95:C:VAL:CB	1:96:C:LYS:CD	7	0.28	0.06	0.26
(1,2013)	1:95:B:VAL:CB	1:96:B:LYS:CD	7	0.28	0.06	0.26
(1,2013)	1:95:E:VAL:CB	1:96:E:LYS:CD	7	0.28	0.06	0.26
(1,2013)	1:95:D:VAL:CB	1:96:D:LYS:CD	7	0.28	0.06	0.26
(1,4057)	1:55:E:VAL:C	1:57:E:GLU:CB	7	0.27	0.05	0.26
(1,4057)	1:55:A:VAL:C	1:57:A:GLU:CB	7	0.27	0.05	0.26
(1,4057)	1:55:D:VAL:C	1:57:D:GLU:CB	7	0.27	0.05	0.26
(1,4057)	1:55:C:VAL:C	1:57:C:GLU:CB	7	0.27	0.05	0.26
(1,3269)	1:96:C:LYS:C	1:94:C:PHE:CD1	7	0.22	0.14	0.17
(1,3269)	1:96:E:LYS:C	1:94:E:PHE:CD2	7	0.22	0.14	0.17
(1,3269)	1:96:B:LYS:C	1:94:B:PHE:CD1	7	0.22	0.14	0.17
(1,3269)	1:96:B:LYS:C	1:94:B:PHE:CD2	7	0.22	0.14	0.17
(1,3269)	1:96:D:LYS:C	1:94:D:PHE:CD1	7	0.22	0.14	0.17
(1,3006)	1:54:B:THR:CB	1:55:B:VAL:CG2	7	0.19	0.06	0.22
(1,3006)	1:54:D:THR:CB	1:55:D:VAL:CG2	7	0.19	0.06	0.22
(1,3006)	1:54:E:THR:CB	1:55:E:VAL:CG2	7	0.19	0.06	0.22
(1,3006)	1:54:A:THR:CB	1:55:A:VAL:CG2	7	0.19	0.06	0.22
(1,3373)	1:98:A:ASP:CB	1:96:A:LYS:C	7	0.16	0.04	0.15
(1,3373)	1:98:B:ASP:CB	1:96:B:LYS:C	7	0.16	0.04	0.15
(1,3373)	1:98:C:ASP:CB	1:96:C:LYS:C	7	0.16	0.04	0.15
(1,3373)	1:98:E:ASP:CB	1:96:E:LYS:C	7	0.16	0.04	0.15
(1,799)	1:37:D:VAL:CG2	1:33:D:THR:CA	6	1.52	1.18	1.21
(1,799)	1:37:A:VAL:CG2	1:33:A:THR:CA	6	1.52	1.18	1.21
(1,799)	1:37:B:VAL:CG2	1:33:B:THR:CA	6	1.52	1.18	1.21
(1,799)	1:37:C:VAL:CG2	1:33:C:THR:CA	6	1.52	1.18	1.21
(1,1347)	1:68:B:GLY:CA	1:93:B:GLY:C	6	0.65	0.25	0.72
(1,1347)	1:68:D:GLY:CA	1:93:C:GLY:C	6	0.65	0.25	0.72
(1,1347)	1:68:E:GLY:CA	1:93:E:GLY:C	6	0.65	0.25	0.72
(1,1347)	1:68:E:GLY:CA	1:93:D:GLY:C	6	0.65	0.25	0.72
(1,1347)	1:68:B:GLY:CA	1:93:A:GLY:C	6	0.65	0.25	0.72
(1,1347)	1:68:A:GLY:CA	1:93:A:GLY:C	6	0.65	0.25	0.72
(1,2768)	1:43:B:LYS:CG	1:39:B:TYR:CA	6	0.57	0.58	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2768)	1:43:A:LYS:CG	1:39:A:TYR:CA	6	0.57	0.58	0.22
(1,2768)	1:43:C:LYS:CG	1:39:C:TYR:CA	6	0.57	0.58	0.22
(1,2768)	1:43:E:LYS:CG	1:39:E:TYR:CA	6	0.57	0.58	0.22
(1,3066)	1:89:D:ALA:CB	1:77:D:VAL:CA	6	0.44	0.14	0.47
(1,3066)	1:89:B:ALA:CB	1:77:C:VAL:CA	6	0.44	0.14	0.47
(1,3066)	1:89:A:ALA:CB	1:77:B:VAL:CA	6	0.44	0.14	0.47
(1,3702)	1:95:D:VAL:CG1	1:97:D:LYS:CG	6	0.43	0.24	0.4
(1,3702)	1:95:A:VAL:CG1	1:97:A:LYS:CG	6	0.43	0.24	0.4
(1,628)	1:93:A:GLY:CA	1:94:A:PHE:CZ	6	0.37	0.13	0.32
(1,628)	1:93:E:GLY:CA	1:94:E:PHE:CZ	6	0.37	0.13	0.32
(1,628)	1:93:C:GLY:CA	1:94:C:PHE:CZ	6	0.37	0.13	0.32
(1,628)	1:93:D:GLY:CA	1:94:D:PHE:CZ	6	0.37	0.13	0.32
(1,3841)	1:82:A:VAL:CB	1:88:A:ILE:CG1	6	0.36	0.11	0.4
(1,3841)	1:82:D:VAL:CB	1:88:D:ILE:CG1	6	0.36	0.11	0.4
(1,3841)	1:82:C:VAL:CB	1:88:C:ILE:CG1	6	0.36	0.11	0.4
(1,3841)	1:82:B:VAL:CB	1:88:B:ILE:CG1	6	0.36	0.11	0.4
(1,2059)	1:34:B:LYS:CA	1:37:B:VAL:C	6	0.34	0.12	0.34
(1,2059)	1:34:D:LYS:CA	1:37:D:VAL:C	6	0.34	0.12	0.34
(1,2059)	1:34:E:LYS:CA	1:37:E:VAL:C	6	0.34	0.12	0.34
(1,3341)	1:96:C:LYS:CA	1:68:D:GLY:C	6	0.3	0.08	0.32
(1,3341)	1:96:D:LYS:CA	1:68:D:GLY:C	6	0.3	0.08	0.32
(1,3341)	1:96:A:LYS:CA	1:68:B:GLY:C	6	0.3	0.08	0.32
(1,3341)	1:96:D:LYS:CA	1:68:E:GLY:C	6	0.3	0.08	0.32
(1,3341)	1:96:C:LYS:CA	1:68:C:GLY:C	6	0.3	0.08	0.32
(1,2380)	1:97:E:LYS:C	1:97:E:LYS:CE	6	0.28	0.01	0.28
(1,2380)	1:97:A:LYS:C	1:97:A:LYS:CE	6	0.28	0.01	0.28
(1,2380)	1:97:B:LYS:C	1:97:B:LYS:CE	6	0.28	0.01	0.28
(1,2380)	1:97:C:LYS:C	1:97:C:LYS:CE	6	0.28	0.01	0.28
(1,1296)	1:94:D:PHE:CB	1:94:D:PHE:CZ	6	0.27	0.0	0.27
(1,1296)	1:94:B:PHE:CB	1:94:B:PHE:CZ	6	0.27	0.0	0.27
(1,1296)	1:94:C:PHE:CB	1:94:C:PHE:CZ	6	0.27	0.0	0.27
(1,2161)	1:88:A:ILE:C	1:79:B:GLN:CG	6	0.26	0.08	0.24
(1,2161)	1:88:A:ILE:C	1:79:A:GLN:CG	6	0.26	0.08	0.24
(1,2161)	1:88:C:ILE:C	1:79:C:GLN:CG	6	0.26	0.08	0.24
(1,2161)	1:88:E:ILE:C	1:79:E:GLN:CG	6	0.26	0.08	0.24
(1,2161)	1:88:C:ILE:C	1:79:D:GLN:CG	6	0.26	0.08	0.24
(1,1831)	1:74:D:VAL:CG2	1:71:D:VAL:CB	6	0.25	0.06	0.22
(1,1831)	1:74:A:VAL:CG2	1:71:A:VAL:CB	6	0.25	0.06	0.22
(1,1831)	1:74:B:VAL:CG2	1:71:B:VAL:CB	6	0.25	0.06	0.22
(1,2967)	1:83:B:GLU:CA	1:87:B:SER:CA	6	0.24	0.03	0.24
(1,2967)	1:83:E:GLU:CA	1:87:D:SER:CA	6	0.24	0.03	0.24
(1,2967)	1:83:C:GLU:CA	1:87:C:SER:CA	6	0.24	0.03	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2967)	1:83:A:GLU:CA	1:87:A:SER:CA	6	0.24	0.03	0.24
(1,2967)	1:83:E:GLU:CA	1:87:E:SER:CA	6	0.24	0.03	0.24
(1,2967)	1:83:D:GLU:CA	1:87:D:SER:CA	6	0.24	0.03	0.24
(1,2976)	1:83:B:GLU:CA	1:87:B:SER:CA	6	0.24	0.03	0.24
(1,2976)	1:83:E:GLU:CA	1:87:D:SER:CA	6	0.24	0.03	0.24
(1,2976)	1:83:C:GLU:CA	1:87:C:SER:CA	6	0.24	0.03	0.24
(1,2976)	1:83:A:GLU:CA	1:87:A:SER:CA	6	0.24	0.03	0.24
(1,2976)	1:83:E:GLU:CA	1:87:E:SER:CA	6	0.24	0.03	0.24
(1,2976)	1:83:D:GLU:CA	1:87:D:SER:CA	6	0.24	0.03	0.24
(1,787)	1:79:D:GLN:CA	1:77:D:VAL:CG1	6	0.19	0.06	0.2
(1,787)	1:79:C:GLN:CA	1:77:C:VAL:CG1	6	0.19	0.06	0.2
(1,787)	1:79:D:GLN:CA	1:82:D:VAL:CG2	6	0.19	0.06	0.2
(1,787)	1:79:A:GLN:CA	1:77:A:VAL:CG1	6	0.19	0.06	0.2
(1,2742)	1:77:D:VAL:CG1	1:79:D:GLN:CA	6	0.19	0.06	0.2
(1,2742)	1:77:C:VAL:CG1	1:79:C:GLN:CA	6	0.19	0.06	0.2
(1,2742)	1:82:D:VAL:CG2	1:79:D:GLN:CA	6	0.19	0.06	0.2
(1,2742)	1:77:A:VAL:CG1	1:79:A:GLN:CA	6	0.19	0.06	0.2
(1,2759)	1:77:D:VAL:CG1	1:79:D:GLN:CA	6	0.19	0.06	0.2
(1,2759)	1:77:C:VAL:CG1	1:79:C:GLN:CA	6	0.19	0.06	0.2
(1,2759)	1:82:D:VAL:CG2	1:79:D:GLN:CA	6	0.19	0.06	0.2
(1,2759)	1:77:A:VAL:CG1	1:79:A:GLN:CA	6	0.19	0.06	0.2
(1,970)	1:90:C:ALA:CA	1:88:C:ILE:CD1	6	0.18	0.03	0.18
(1,970)	1:90:A:ALA:CA	1:88:B:ILE:CD1	6	0.18	0.03	0.18
(1,970)	1:90:C:ALA:CA	1:88:B:ILE:CD1	6	0.18	0.03	0.18
(1,1254)	1:88:C:ILE:CD1	1:90:C:ALA:CA	6	0.18	0.03	0.18
(1,1254)	1:88:B:ILE:CD1	1:90:A:ALA:CA	6	0.18	0.03	0.18
(1,1254)	1:88:B:ILE:CD1	1:90:C:ALA:CA	6	0.18	0.03	0.18
(1,1927)	1:90:C:ALA:CA	1:88:C:ILE:CD1	6	0.18	0.03	0.18
(1,1927)	1:90:A:ALA:CA	1:88:B:ILE:CD1	6	0.18	0.03	0.18
(1,1927)	1:90:C:ALA:CA	1:88:B:ILE:CD1	6	0.18	0.03	0.18
(1,2704)	1:88:C:ILE:CD1	1:90:C:ALA:CA	6	0.18	0.03	0.18
(1,2704)	1:88:B:ILE:CD1	1:90:A:ALA:CA	6	0.18	0.03	0.18
(1,2704)	1:88:B:ILE:CD1	1:90:C:ALA:CA	6	0.18	0.03	0.18
(1,1181)	1:86:B:GLY:CA	1:84:B:GLY:CA	6	0.16	0.04	0.15
(1,1181)	1:86:D:GLY:CA	1:84:D:GLY:CA	6	0.16	0.04	0.15
(1,1181)	1:86:E:GLY:CA	1:84:E:GLY:CA	6	0.16	0.04	0.15
(1,1236)	1:73:C:GLY:CA	1:76:C:ALA:CA	6	0.15	0.07	0.12
(1,1236)	1:73:D:GLY:CA	1:76:D:ALA:CA	6	0.15	0.07	0.12
(1,1236)	1:73:A:GLY:CA	1:76:A:ALA:CA	6	0.15	0.07	0.12
(1,2644)	1:73:C:GLY:CA	1:76:C:ALA:CA	6	0.15	0.07	0.12
(1,2644)	1:73:D:GLY:CA	1:76:D:ALA:CA	6	0.15	0.07	0.12
(1,2644)	1:73:A:GLY:CA	1:76:A:ALA:CA	6	0.15	0.07	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3421)	1:33:B:THR:CA	1:36:B:GLY:C	5	0.56	0.23	0.68
(1,3421)	1:33:D:THR:CA	1:36:D:GLY:C	5	0.56	0.23	0.68
(1,3421)	1:33:C:THR:CA	1:36:C:GLY:C	5	0.56	0.23	0.68
(1,1811)	1:44:D:THR:CA	1:39:D:TYR:CG	5	0.54	0.17	0.56
(1,1811)	1:44:A:THR:CA	1:39:A:TYR:CG	5	0.54	0.17	0.56
(1,1811)	1:44:E:THR:CA	1:39:E:TYR:CG	5	0.54	0.17	0.56
(1,1811)	1:44:C:THR:CA	1:39:C:TYR:CG	5	0.54	0.17	0.56
(1,629)	1:93:D:GLY:CA	1:94:D:PHE:CD1	5	0.4	0.12	0.34
(1,629)	1:93:E:GLY:CA	1:94:E:PHE:CD1	5	0.4	0.12	0.34
(1,629)	1:93:C:GLY:CA	1:94:C:PHE:CD1	5	0.4	0.12	0.34
(1,629)	1:93:A:GLY:CA	1:94:A:PHE:CD2	5	0.4	0.12	0.34
(1,1976)	1:93:D:GLY:CA	1:94:D:PHE:CD1	5	0.4	0.12	0.34
(1,1976)	1:93:E:GLY:CA	1:94:E:PHE:CD1	5	0.4	0.12	0.34
(1,1976)	1:93:C:GLY:CA	1:94:C:PHE:CD1	5	0.4	0.12	0.34
(1,1976)	1:93:A:GLY:CA	1:94:A:PHE:CD2	5	0.4	0.12	0.34
(1,719)	1:86:A:GLY:CA	1:82:A:VAL:CG1	5	0.27	0.08	0.23
(1,719)	1:86:B:GLY:CA	1:82:C:VAL:CG1	5	0.27	0.08	0.23
(1,719)	1:86:E:GLY:CA	1:82:E:VAL:CG1	5	0.27	0.08	0.23
(1,1203)	1:82:A:VAL:CG1	1:86:A:GLY:CA	5	0.27	0.08	0.23
(1,1203)	1:82:C:VAL:CG1	1:86:B:GLY:CA	5	0.27	0.08	0.23
(1,1203)	1:82:E:VAL:CG1	1:86:E:GLY:CA	5	0.27	0.08	0.23
(1,2568)	1:82:A:VAL:CG1	1:86:A:GLY:CA	5	0.27	0.08	0.23
(1,2568)	1:82:C:VAL:CG1	1:86:B:GLY:CA	5	0.27	0.08	0.23
(1,2568)	1:82:E:VAL:CG1	1:86:E:GLY:CA	5	0.27	0.08	0.23
(1,602)	1:94:B:PHE:CB	1:95:B:VAL:C	5	0.25	0.1	0.31
(1,602)	1:94:E:PHE:CB	1:95:E:VAL:C	5	0.25	0.1	0.31
(1,602)	1:94:D:PHE:CB	1:95:D:VAL:C	5	0.25	0.1	0.31
(1,602)	1:94:C:PHE:CB	1:95:C:VAL:C	5	0.25	0.1	0.31
(1,4344)	1:80:B:LYS:CB	1:48:A:VAL:CB	5	0.24	0.17	0.14
(1,4344)	1:80:E:LYS:CB	1:48:D:VAL:CB	5	0.24	0.17	0.14
(1,4344)	1:80:D:LYS:CB	1:48:C:VAL:CB	5	0.24	0.17	0.14
(1,4344)	1:80:C:LYS:CB	1:48:B:VAL:CB	5	0.24	0.17	0.14
(1,3110)	1:89:E:ALA:CB	1:82:E:VAL:CA	5	0.24	0.08	0.24
(1,3110)	1:89:A:ALA:CB	1:82:A:VAL:CA	5	0.24	0.08	0.24
(1,3110)	1:89:C:ALA:CB	1:82:C:VAL:CA	5	0.24	0.08	0.24
(1,3110)	1:89:B:ALA:CB	1:82:C:VAL:CA	5	0.24	0.08	0.24
(1,3936)	1:82:E:VAL:CA	1:89:E:ALA:CB	5	0.24	0.08	0.24
(1,3936)	1:82:A:VAL:CA	1:89:A:ALA:CB	5	0.24	0.08	0.24
(1,3936)	1:82:C:VAL:CA	1:89:C:ALA:CB	5	0.24	0.08	0.24
(1,3936)	1:82:C:VAL:CA	1:89:B:ALA:CB	5	0.24	0.08	0.24
(1,3491)	1:87:E:SER:CB	1:89:E:ALA:C	5	0.22	0.09	0.2
(1,3491)	1:87:A:SER:CB	1:89:A:ALA:C	5	0.22	0.09	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3491)	1:87:B:SER:CB	1:89:B:ALA:C	5	0.22	0.09	0.2
(1,3491)	1:87:C:SER:CB	1:89:C:ALA:C	5	0.22	0.09	0.2
(1,2670)	1:55:B:VAL:CG2	1:53:B:ALA:CA	5	0.2	0.05	0.2
(1,2670)	1:55:A:VAL:CG1	1:57:A:GLU:CA	5	0.2	0.05	0.2
(1,2670)	1:55:D:VAL:CG1	1:57:D:GLU:CA	5	0.2	0.05	0.2
(1,2670)	1:55:B:VAL:CG1	1:57:B:GLU:CA	5	0.2	0.05	0.2
(1,2671)	1:55:B:VAL:CG2	1:53:B:ALA:CA	5	0.2	0.05	0.2
(1,2671)	1:55:A:VAL:CG1	1:57:A:GLU:CA	5	0.2	0.05	0.2
(1,2671)	1:55:D:VAL:CG1	1:57:D:GLU:CA	5	0.2	0.05	0.2
(1,2671)	1:55:B:VAL:CG1	1:57:B:GLU:CA	5	0.2	0.05	0.2
(1,324)	1:59:A:THR:CA	1:58:A:LYS:CD	5	0.19	0.08	0.15
(1,324)	1:59:C:THR:CA	1:58:C:LYS:CD	5	0.19	0.08	0.15
(1,324)	1:59:D:THR:CA	1:58:D:LYS:CD	5	0.19	0.08	0.15
(1,324)	1:59:B:THR:CA	1:58:B:LYS:CD	5	0.19	0.08	0.15
(1,496)	1:58:A:LYS:CD	1:59:A:THR:CA	5	0.19	0.08	0.15
(1,496)	1:58:C:LYS:CD	1:59:C:THR:CA	5	0.19	0.08	0.15
(1,496)	1:58:D:LYS:CD	1:59:D:THR:CA	5	0.19	0.08	0.15
(1,496)	1:58:B:LYS:CD	1:59:B:THR:CA	5	0.19	0.08	0.15
(1,814)	1:58:A:LYS:CD	1:59:A:THR:CA	5	0.19	0.08	0.15
(1,814)	1:58:C:LYS:CD	1:59:C:THR:CA	5	0.19	0.08	0.15
(1,814)	1:58:D:LYS:CD	1:59:D:THR:CA	5	0.19	0.08	0.15
(1,814)	1:58:B:LYS:CD	1:59:B:THR:CA	5	0.19	0.08	0.15
(1,1059)	1:59:A:THR:CA	1:58:A:LYS:CD	5	0.19	0.08	0.15
(1,1059)	1:59:C:THR:CA	1:58:C:LYS:CD	5	0.19	0.08	0.15
(1,1059)	1:59:D:THR:CA	1:58:D:LYS:CD	5	0.19	0.08	0.15
(1,1059)	1:59:B:THR:CA	1:58:B:LYS:CD	5	0.19	0.08	0.15
(1,1512)	1:58:A:LYS:CD	1:59:A:THR:CA	5	0.19	0.08	0.15
(1,1512)	1:58:C:LYS:CD	1:59:C:THR:CA	5	0.19	0.08	0.15
(1,1512)	1:58:D:LYS:CD	1:59:D:THR:CA	5	0.19	0.08	0.15
(1,1512)	1:58:B:LYS:CD	1:59:B:THR:CA	5	0.19	0.08	0.15
(1,1715)	1:58:A:LYS:CD	1:59:A:THR:CA	5	0.19	0.08	0.15
(1,1715)	1:58:C:LYS:CD	1:59:C:THR:CA	5	0.19	0.08	0.15
(1,1715)	1:58:D:LYS:CD	1:59:D:THR:CA	5	0.19	0.08	0.15
(1,1715)	1:58:B:LYS:CD	1:59:B:THR:CA	5	0.19	0.08	0.15
(1,1991)	1:59:A:THR:CA	1:58:A:LYS:CD	5	0.19	0.08	0.15
(1,1991)	1:59:C:THR:CA	1:58:C:LYS:CD	5	0.19	0.08	0.15
(1,1991)	1:59:D:THR:CA	1:58:D:LYS:CD	5	0.19	0.08	0.15
(1,1991)	1:59:B:THR:CA	1:58:B:LYS:CD	5	0.19	0.08	0.15
(1,3138)	1:58:A:LYS:CD	1:59:A:THR:CA	5	0.19	0.08	0.15
(1,3138)	1:58:C:LYS:CD	1:59:C:THR:CA	5	0.19	0.08	0.15
(1,3138)	1:58:D:LYS:CD	1:59:D:THR:CA	5	0.19	0.08	0.15
(1,3138)	1:58:B:LYS:CD	1:59:B:THR:CA	5	0.19	0.08	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3320)	1:97:A:LYS:CB	1:95:A:VAL:C	5	0.17	0.02	0.17
(1,3320)	1:97:E:LYS:CB	1:95:E:VAL:C	5	0.17	0.02	0.17
(1,3320)	1:97:B:LYS:CB	1:95:B:VAL:C	5	0.17	0.02	0.17
(1,3320)	1:97:C:LYS:CB	1:95:C:VAL:C	5	0.17	0.02	0.17
(1,2007)	1:70:A:VAL:CB	1:67:A:GLY:CA	5	0.16	0.03	0.16
(1,2007)	1:70:D:VAL:CB	1:67:D:GLY:CA	5	0.16	0.03	0.16
(1,2007)	1:70:B:VAL:CB	1:67:B:GLY:CA	5	0.16	0.03	0.16
(1,2007)	1:70:E:VAL:CB	1:67:E:GLY:CA	5	0.16	0.03	0.16
(1,2237)	1:73:A:GLY:C	1:72:A:THR:CB	5	0.16	0.02	0.16
(1,2237)	1:73:D:GLY:C	1:72:D:THR:CB	5	0.16	0.02	0.16
(1,2237)	1:73:E:GLY:C	1:72:E:THR:CB	5	0.16	0.02	0.16
(1,2237)	1:73:C:GLY:C	1:72:C:THR:CB	5	0.16	0.02	0.16
(1,973)	1:58:C:LYS:CB	1:56:C:ALA:CB	5	0.15	0.04	0.16
(1,973)	1:58:E:LYS:CB	1:56:E:ALA:CB	5	0.15	0.04	0.16
(1,973)	1:58:A:LYS:CB	1:56:A:ALA:CB	5	0.15	0.04	0.16
(1,973)	1:58:B:LYS:CB	1:56:B:ALA:CB	5	0.15	0.04	0.16
(1,4272)	1:56:C:ALA:CB	1:58:C:LYS:CB	5	0.15	0.04	0.16
(1,4272)	1:56:E:ALA:CB	1:58:E:LYS:CB	5	0.15	0.04	0.16
(1,4272)	1:56:A:ALA:CB	1:58:A:LYS:CB	5	0.15	0.04	0.16
(1,4272)	1:56:B:ALA:CB	1:58:B:LYS:CB	5	0.15	0.04	0.16
(1,4277)	1:56:C:ALA:CB	1:58:C:LYS:CB	5	0.15	0.04	0.16
(1,4277)	1:56:E:ALA:CB	1:58:E:LYS:CB	5	0.15	0.04	0.16
(1,4277)	1:56:A:ALA:CB	1:58:A:LYS:CB	5	0.15	0.04	0.16
(1,4277)	1:56:B:ALA:CB	1:58:B:LYS:CB	5	0.15	0.04	0.16
(1,1643)	1:80:A:LYS:CA	1:83:A:GLU:CA	5	0.13	0.02	0.12
(1,1643)	1:80:E:LYS:CA	1:83:E:GLU:CA	5	0.13	0.02	0.12
(1,1643)	1:80:B:LYS:CA	1:83:B:GLU:CA	5	0.13	0.02	0.12
(1,1643)	1:80:C:LYS:CA	1:83:C:GLU:CA	5	0.13	0.02	0.12
(3,25)	1:44:A:THR:CA	1:39:A:TYR:CZ	4	0.88	0.22	0.87
(3,25)	1:44:B:THR:CA	1:39:B:TYR:CZ	4	0.88	0.22	0.87
(3,25)	1:44:C:THR:CA	1:39:C:TYR:CZ	4	0.88	0.22	0.87
(1,3852)	1:39:B:TYR:C	1:37:B:VAL:CB	4	0.66	0.77	0.26
(1,3852)	1:39:A:TYR:C	1:37:A:VAL:CB	4	0.66	0.77	0.26
(1,2404)	1:96:E:LYS:CA	1:97:E:LYS:CE	4	0.59	0.27	0.65
(1,2404)	1:96:B:LYS:CA	1:97:B:LYS:CE	4	0.59	0.27	0.65
(1,2404)	1:96:D:LYS:CA	1:97:D:LYS:CE	4	0.59	0.27	0.65
(1,2383)	1:85:D:ALA:CB	1:96:C:LYS:CE	4	0.43	0.1	0.45
(1,2383)	1:85:B:ALA:CB	1:96:A:LYS:CE	4	0.43	0.1	0.45
(1,2383)	1:85:E:ALA:CB	1:96:E:LYS:CE	4	0.43	0.1	0.45
(1,2383)	1:85:D:ALA:CB	1:96:D:LYS:CE	4	0.43	0.1	0.45
(1,764)	1:43:E:LYS:CE	1:44:E:THR:CA	4	0.42	0.01	0.42
(1,764)	1:43:C:LYS:CE	1:44:C:THR:CA	4	0.42	0.01	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,764)	1:43:D:LYS:CE	1:44:D:THR:CA	4	0.42	0.01	0.42
(1,2579)	1:69:D:ALA:CB	1:93:D:GLY:CA	4	0.38	0.1	0.4
(1,2579)	1:69:B:ALA:CB	1:93:A:GLY:CA	4	0.38	0.1	0.4
(1,2579)	1:69:C:ALA:CB	1:93:B:GLY:CA	4	0.38	0.1	0.4
(1,2579)	1:69:E:ALA:CB	1:93:D:GLY:CA	4	0.38	0.1	0.4
(1,2584)	1:69:D:ALA:CB	1:93:D:GLY:CA	4	0.38	0.1	0.4
(1,2584)	1:69:B:ALA:CB	1:93:A:GLY:CA	4	0.38	0.1	0.4
(1,2584)	1:69:C:ALA:CB	1:93:B:GLY:CA	4	0.38	0.1	0.4
(1,2584)	1:69:E:ALA:CB	1:93:D:GLY:CA	4	0.38	0.1	0.4
(1,3589)	1:58:C:LYS:CD	1:57:C:GLU:CD	4	0.34	0.28	0.22
(1,3589)	1:58:A:LYS:CD	1:57:A:GLU:CD	4	0.34	0.28	0.22
(1,3589)	1:58:E:LYS:CD	1:57:E:GLU:CD	4	0.34	0.28	0.22
(1,2328)	1:44:A:THR:C	1:42:A:SER:CA	4	0.32	0.02	0.33
(1,2328)	1:44:E:THR:C	1:42:E:SER:CA	4	0.32	0.02	0.33
(1,4096)	1:49:A:VAL:CG1	1:74:B:VAL:CG1	4	0.27	0.12	0.23
(1,4096)	1:49:C:VAL:CG1	1:74:D:VAL:CG1	4	0.27	0.12	0.23
(1,4096)	1:49:D:VAL:CG1	1:74:E:VAL:CG1	4	0.27	0.12	0.23
(1,1827)	1:95:B:VAL:CG1	1:97:B:LYS:CA	4	0.24	0.05	0.23
(1,1827)	1:95:C:VAL:CG1	1:97:C:LYS:CA	4	0.24	0.05	0.23
(1,1827)	1:95:D:VAL:CG1	1:97:D:LYS:CA	4	0.24	0.05	0.23
(1,2285)	1:79:D:GLN:C	1:89:D:ALA:CB	4	0.22	0.06	0.2
(1,2285)	1:79:C:GLN:C	1:89:C:ALA:CB	4	0.22	0.06	0.2
(1,2285)	1:79:A:GLN:C	1:89:A:ALA:CB	4	0.22	0.06	0.2
(1,1772)	1:78:B:ALA:CB	1:90:A:ALA:CA	4	0.21	0.08	0.2
(1,1772)	1:78:C:ALA:CB	1:90:B:ALA:CA	4	0.21	0.08	0.2
(1,1772)	1:78:E:ALA:CB	1:90:D:ALA:CA	4	0.21	0.08	0.2
(1,2701)	1:78:B:ALA:CB	1:90:A:ALA:CA	4	0.21	0.08	0.2
(1,2701)	1:78:C:ALA:CB	1:90:B:ALA:CA	4	0.21	0.08	0.2
(1,2701)	1:78:E:ALA:CB	1:90:D:ALA:CA	4	0.21	0.08	0.2
(1,2466)	1:94:A:PHE:CA	1:68:A:GLY:CA	4	0.19	0.06	0.2
(1,2466)	1:94:E:PHE:CA	1:68:E:GLY:CA	4	0.19	0.06	0.2
(1,2466)	1:94:D:PHE:CA	1:68:E:GLY:CA	4	0.19	0.06	0.2
(1,2466)	1:94:A:PHE:CA	1:68:B:GLY:CA	4	0.19	0.06	0.2
(1,3415)	1:96:A:LYS:CB	1:94:A:PHE:C	4	0.16	0.04	0.16
(1,3415)	1:96:C:LYS:CB	1:94:C:PHE:C	4	0.16	0.04	0.16
(1,2604)	1:78:B:ALA:C	1:47:A:GLY:CA	4	0.16	0.02	0.15
(1,2604)	1:78:E:ALA:C	1:47:D:GLY:CA	4	0.16	0.02	0.15
(1,2604)	1:78:D:ALA:C	1:47:C:GLY:CA	4	0.16	0.02	0.15
(1,3017)	1:43:A:LYS:CG	1:44:A:THR:CA	4	0.16	0.0	0.16
(1,3017)	1:43:C:LYS:CG	1:44:C:THR:CA	4	0.16	0.0	0.16
(1,3017)	1:43:D:LYS:CG	1:44:D:THR:CA	4	0.16	0.0	0.16
(1,3105)	1:58:A:LYS:CA	1:55:A:VAL:CA	4	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3105)	1:58:B:LYS:CA	1:55:B:VAL:CA	4	0.15	0.02	0.15
(1,2485)	1:75:A:THR:C	1:73:A:GLY:CA	4	0.13	0.02	0.14
(1,2485)	1:75:C:THR:C	1:73:C:GLY:CA	4	0.13	0.02	0.14
(1,2485)	1:75:B:THR:C	1:73:B:GLY:CA	4	0.13	0.02	0.14
(1,2486)	1:75:A:THR:C	1:73:A:GLY:CA	4	0.13	0.02	0.14
(1,2486)	1:75:C:THR:C	1:73:C:GLY:CA	4	0.13	0.02	0.14
(1,2486)	1:75:B:THR:C	1:73:B:GLY:CA	4	0.13	0.02	0.14
(1,4122)	1:54:B:THR:CB	1:55:B:VAL:CB	4	0.13	0.0	0.13
(1,4122)	1:54:A:THR:CB	1:55:A:VAL:CB	4	0.13	0.0	0.13
(1,4122)	1:54:E:THR:CB	1:55:E:VAL:CB	4	0.13	0.0	0.13
(1,2827)	1:59:A:THR:C	1:61:A:GLU:CA	4	0.12	0.01	0.12
(1,2827)	1:59:C:THR:C	1:61:C:GLU:CA	4	0.12	0.01	0.12
(1,2827)	1:59:D:THR:C	1:61:D:GLU:CA	4	0.12	0.01	0.12
(1,3313)	1:92:E:THR:C	1:95:E:VAL:C	4	0.12	0.02	0.11
(1,3313)	1:92:A:THR:C	1:95:A:VAL:C	4	0.12	0.02	0.11
(1,1311)	1:43:E:LYS:C	1:43:E:LYS:CE	4	0.11	0.01	0.11
(1,1311)	1:43:A:LYS:C	1:43:A:LYS:CE	4	0.11	0.01	0.11
(1,1311)	1:43:C:LYS:C	1:43:C:LYS:CE	4	0.11	0.01	0.11
(1,1311)	1:43:D:LYS:C	1:43:D:LYS:CE	4	0.11	0.01	0.11
(1,2155)	1:43:E:LYS:C	1:43:E:LYS:CE	4	0.11	0.01	0.11
(1,2155)	1:43:A:LYS:C	1:43:A:LYS:CE	4	0.11	0.01	0.11
(1,2155)	1:43:C:LYS:C	1:43:C:LYS:CE	4	0.11	0.01	0.11
(1,2155)	1:43:D:LYS:C	1:43:D:LYS:CE	4	0.11	0.01	0.11
(1,2425)	1:43:E:LYS:C	1:43:E:LYS:CE	4	0.11	0.01	0.11
(1,2425)	1:43:A:LYS:C	1:43:A:LYS:CE	4	0.11	0.01	0.11
(1,2425)	1:43:C:LYS:C	1:43:C:LYS:CE	4	0.11	0.01	0.11
(1,2425)	1:43:D:LYS:C	1:43:D:LYS:CE	4	0.11	0.01	0.11
(1,2435)	1:43:E:LYS:C	1:43:E:LYS:CE	4	0.11	0.01	0.11
(1,2435)	1:43:A:LYS:C	1:43:A:LYS:CE	4	0.11	0.01	0.11
(1,2435)	1:43:C:LYS:C	1:43:C:LYS:CE	4	0.11	0.01	0.11
(1,2435)	1:43:D:LYS:C	1:43:D:LYS:CE	4	0.11	0.01	0.11
(1,2438)	1:43:E:LYS:C	1:43:E:LYS:CE	4	0.11	0.01	0.11
(1,2438)	1:43:A:LYS:C	1:43:A:LYS:CE	4	0.11	0.01	0.11
(1,2438)	1:43:C:LYS:C	1:43:C:LYS:CE	4	0.11	0.01	0.11
(1,2438)	1:43:D:LYS:C	1:43:D:LYS:CE	4	0.11	0.01	0.11
(1,4252)	1:58:B:LYS:C	1:57:B:GLU:CG	3	0.91	0.05	0.94
(1,4252)	1:58:A:LYS:C	1:57:A:GLU:CG	3	0.91	0.05	0.94
(1,4252)	1:58:D:LYS:C	1:57:D:GLU:CG	3	0.91	0.05	0.94
(1,1530)	1:75:A:THR:CA	1:74:A:VAL:CG1	3	0.63	0.02	0.62
(1,1530)	1:75:C:THR:CA	1:74:C:VAL:CG1	3	0.63	0.02	0.62
(1,1629)	1:58:C:LYS:CE	1:61:C:GLU:CG	3	0.62	0.15	0.62
(1,1629)	1:58:A:LYS:CE	1:61:A:GLU:CG	3	0.62	0.15	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1629)	1:58:B:LYS:CE	1:61:B:GLU:CG	3	0.62	0.15	0.62
(1,3681)	1:48:A:VAL:CG2	1:78:B:ALA:CB	3	0.4	0.15	0.49
(1,3681)	1:48:D:VAL:CG2	1:78:E:ALA:CB	3	0.4	0.15	0.49
(1,3681)	1:48:C:VAL:CG2	1:78:C:ALA:CB	3	0.4	0.15	0.49
(1,4312)	1:77:B:VAL:C	1:48:A:VAL:CB	3	0.34	0.11	0.41
(1,4312)	1:77:D:VAL:C	1:48:C:VAL:CB	3	0.34	0.11	0.41
(1,4312)	1:77:C:VAL:C	1:48:B:VAL:CB	3	0.34	0.11	0.41
(1,649)	1:55:A:VAL:CG1	1:56:A:ALA:CB	3	0.28	0.06	0.31
(1,649)	1:55:D:VAL:CG1	1:56:D:ALA:CB	3	0.28	0.06	0.31
(1,649)	1:55:E:VAL:CG1	1:56:E:ALA:CB	3	0.28	0.06	0.31
(1,502)	1:45:A:LYS:CD	1:48:A:VAL:CA	3	0.23	0.09	0.27
(1,502)	1:45:E:LYS:CD	1:48:E:VAL:CA	3	0.23	0.09	0.27
(1,2985)	1:45:A:LYS:CD	1:48:A:VAL:CA	3	0.23	0.09	0.27
(1,2985)	1:45:E:LYS:CD	1:48:E:VAL:CA	3	0.23	0.09	0.27
(1,3920)	1:48:A:VAL:CA	1:45:A:LYS:CD	3	0.23	0.09	0.27
(1,3920)	1:48:E:VAL:CA	1:45:E:LYS:CD	3	0.23	0.09	0.27
(1,4233)	1:89:C:ALA:CA	1:77:D:VAL:CB	3	0.23	0.07	0.18
(1,4233)	1:89:B:ALA:CA	1:77:C:VAL:CB	3	0.23	0.07	0.18
(1,4233)	1:89:E:ALA:CA	1:77:E:VAL:CB	3	0.23	0.07	0.18
(1,3800)	1:83:A:GLU:CA	1:88:A:ILE:CG1	3	0.21	0.04	0.21
(1,3800)	1:83:C:GLU:CA	1:88:C:ILE:CG1	3	0.21	0.04	0.21
(1,3800)	1:83:B:GLU:CA	1:88:B:ILE:CG1	3	0.21	0.04	0.21
(1,1361)	1:86:A:GLY:CA	1:88:A:ILE:CD1	3	0.2	0.05	0.22
(1,1361)	1:86:D:GLY:CA	1:88:D:ILE:CD1	3	0.2	0.05	0.22
(1,2935)	1:48:B:VAL:CA	1:45:B:LYS:CA	3	0.19	0.02	0.19
(1,2935)	1:48:C:VAL:CA	1:45:C:LYS:CA	3	0.19	0.02	0.19
(1,1883)	1:81:D:THR:CB	1:89:D:ALA:CA	3	0.19	0.05	0.23
(1,1883)	1:81:B:THR:CB	1:89:B:ALA:CA	3	0.19	0.05	0.23
(1,1545)	1:92:B:THR:CA	1:90:B:ALA:CA	3	0.19	0.06	0.19
(1,1545)	1:92:D:THR:CA	1:90:D:ALA:CA	3	0.19	0.06	0.19
(1,1545)	1:92:A:THR:CA	1:90:A:ALA:CA	3	0.19	0.06	0.19
(1,1191)	1:96:E:LYS:CD	1:94:E:PHE:CB	3	0.18	0.1	0.11
(1,1191)	1:96:B:LYS:CD	1:94:B:PHE:CB	3	0.18	0.1	0.11
(1,2527)	1:96:E:LYS:CD	1:94:E:PHE:CB	3	0.18	0.1	0.11
(1,2527)	1:96:B:LYS:CD	1:94:B:PHE:CB	3	0.18	0.1	0.11
(1,2733)	1:70:A:VAL:CB	1:65:A:ASN:CA	3	0.17	0.04	0.17
(1,2733)	1:70:C:VAL:CB	1:65:C:ASN:CA	3	0.17	0.04	0.17
(1,4246)	1:65:A:ASN:CA	1:70:A:VAL:CB	3	0.17	0.04	0.17
(1,4246)	1:65:C:ASN:CA	1:70:C:VAL:CB	3	0.17	0.04	0.17
(1,1320)	1:83:C:GLU:CG	1:82:C:VAL:CA	3	0.14	0.0	0.14
(1,1320)	1:83:D:GLU:CG	1:82:D:VAL:CA	3	0.14	0.0	0.14
(1,1320)	1:83:E:GLU:CG	1:82:E:VAL:CA	3	0.14	0.0	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1468)	1:97:E:LYS:CE	1:95:E:VAL:CB	3	0.14	0.04	0.12
(1,1468)	1:97:A:LYS:CE	1:95:A:VAL:CB	3	0.14	0.04	0.12
(1,1468)	1:97:B:LYS:CE	1:95:B:VAL:CB	3	0.14	0.04	0.12
(1,4193)	1:97:E:LYS:CE	1:95:E:VAL:CB	3	0.14	0.04	0.12
(1,4193)	1:97:A:LYS:CE	1:95:A:VAL:CB	3	0.14	0.04	0.12
(1,4193)	1:97:B:LYS:CE	1:95:B:VAL:CB	3	0.14	0.04	0.12
(1,2048)	1:88:C:ILE:CG1	1:89:C:ALA:C	3	0.13	0.02	0.13
(1,2048)	1:88:A:ILE:CG1	1:89:A:ALA:C	3	0.13	0.02	0.13
(1,3493)	1:88:C:ILE:CG1	1:89:C:ALA:C	3	0.13	0.02	0.13
(1,3493)	1:88:A:ILE:CG1	1:89:A:ALA:C	3	0.13	0.02	0.13
(1,3495)	1:88:C:ILE:CG1	1:89:C:ALA:C	3	0.13	0.02	0.13
(1,3495)	1:88:A:ILE:CG1	1:89:A:ALA:C	3	0.13	0.02	0.13
(1,2490)	1:70:A:VAL:CA	1:73:A:GLY:CA	3	0.12	0.03	0.11
(1,2490)	1:70:D:VAL:CA	1:73:D:GLY:CA	3	0.12	0.03	0.11
(1,2490)	1:70:C:VAL:CA	1:73:C:GLY:CA	3	0.12	0.03	0.11
(1,4154)	1:43:D:LYS:CE	1:40:D:VAL:CB	2	1.88	0.91	1.88
(1,4154)	1:43:A:LYS:CE	1:40:A:VAL:CB	2	1.88	0.91	1.88
(1,1462)	1:43:D:LYS:CE	1:41:D:GLY:CA	2	1.42	0.91	1.42
(1,1462)	1:43:E:LYS:CE	1:41:E:GLY:CA	2	1.42	0.91	1.42
(1,2440)	1:40:D:VAL:C	1:43:D:LYS:CE	2	1.4	0.91	1.4
(1,3511)	1:43:D:LYS:CE	1:40:D:VAL:C	2	1.4	0.91	1.4
(1,3526)	1:43:D:LYS:CE	1:40:D:VAL:C	2	1.4	0.91	1.4
(1,490)	1:37:C:VAL:CB	1:40:C:VAL:CB	2	1.3	1.19	1.3
(1,490)	1:37:D:VAL:CB	1:40:D:VAL:CB	2	1.3	1.19	1.3
(1,4153)	1:37:C:VAL:CB	1:40:C:VAL:CB	2	1.3	1.19	1.3
(1,4153)	1:37:D:VAL:CB	1:40:D:VAL:CB	2	1.3	1.19	1.3
(1,3717)	1:40:A:VAL:C	1:43:A:LYS:CG	2	1.11	0.05	1.11
(1,3717)	1:40:D:VAL:C	1:43:D:LYS:CG	2	1.11	0.05	1.11
(1,2409)	1:47:A:GLY:C	1:45:A:LYS:CE	2	0.68	0.12	0.68
(1,2409)	1:47:E:GLY:C	1:45:E:LYS:CE	2	0.68	0.12	0.68
(1,3430)	1:43:A:LYS:CD	1:41:A:GLY:C	2	0.54	0.18	0.54
(1,3430)	1:43:B:LYS:CD	1:41:B:GLY:C	2	0.54	0.18	0.54
(1,1114)	1:59:B:THR:CA	1:57:B:GLU:CG	2	0.53	0.04	0.53
(1,1114)	1:59:D:THR:CA	1:57:D:GLU:CG	2	0.53	0.04	0.53
(1,3424)	1:57:C:GLU:CD	1:59:C:THR:C	2	0.43	0.04	0.43
(1,3424)	1:57:B:GLU:CD	1:59:B:THR:C	2	0.43	0.04	0.43
(1,3590)	1:59:C:THR:C	1:57:C:GLU:CD	2	0.43	0.04	0.43
(1,3590)	1:59:B:THR:C	1:57:B:GLU:CD	2	0.43	0.04	0.43
(1,707)	1:45:A:LYS:CA	1:46:A:GLU:CD	2	0.43	0.14	0.43
(1,707)	1:45:B:LYS:CA	1:46:B:GLU:CD	2	0.43	0.14	0.43
(1,963)	1:45:A:LYS:CA	1:46:A:GLU:CD	2	0.43	0.14	0.43
(1,963)	1:45:B:LYS:CA	1:46:B:GLU:CD	2	0.43	0.14	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2690)	1:58:B:LYS:CD	1:56:B:ALA:CA	2	0.4	0.01	0.4
(1,2690)	1:58:A:LYS:CD	1:56:A:ALA:CA	2	0.4	0.01	0.4
(1,577)	1:97:E:LYS:CE	1:95:E:VAL:C	2	0.36	0.05	0.36
(1,577)	1:97:A:LYS:CE	1:95:A:VAL:C	2	0.36	0.05	0.36
(1,3058)	1:46:A:GLU:C	1:80:B:LYS:CA	2	0.34	0.07	0.34
(1,3058)	1:46:B:GLU:C	1:80:C:LYS:CA	2	0.34	0.07	0.34
(1,54)	1:80:A:LYS:CD	1:80:A:LYS:C	2	0.33	0.01	0.33
(1,54)	1:80:E:LYS:CD	1:80:E:LYS:C	2	0.33	0.01	0.33
(1,512)	1:80:A:LYS:CD	1:80:A:LYS:C	2	0.33	0.01	0.33
(1,512)	1:80:E:LYS:CD	1:80:E:LYS:C	2	0.33	0.01	0.33
(1,347)	1:75:B:THR:CB	1:76:B:ALA:C	2	0.32	0.02	0.32
(1,347)	1:75:A:THR:CB	1:76:A:ALA:C	2	0.32	0.02	0.32
(1,2156)	1:53:C:ALA:C	1:51:C:GLY:CA	2	0.28	0.01	0.28
(1,2156)	1:53:A:ALA:C	1:51:A:GLY:CA	2	0.28	0.01	0.28
(1,2635)	1:45:B:LYS:CG	1:47:B:GLY:CA	2	0.28	0.03	0.28
(1,2245)	1:60:A:LYS:C	1:63:A:VAL:CG2	2	0.26	0.08	0.26
(1,2245)	1:60:C:LYS:C	1:63:C:VAL:CG2	2	0.26	0.08	0.26
(1,3064)	1:48:C:VAL:CA	1:77:D:VAL:CA	2	0.24	0.01	0.24
(1,3064)	1:48:A:VAL:CA	1:77:B:VAL:CA	2	0.24	0.01	0.24
(1,2411)	1:45:A:LYS:C	1:45:A:LYS:CE	2	0.22	0.02	0.22
(1,1625)	1:80:E:LYS:CE	1:81:E:THR:CA	2	0.2	0.1	0.2
(1,1625)	1:80:B:LYS:CE	1:81:B:THR:CA	2	0.2	0.1	0.2
(1,3092)	1:80:E:LYS:CE	1:81:E:THR:CA	2	0.2	0.1	0.2
(1,3092)	1:80:B:LYS:CE	1:81:B:THR:CA	2	0.2	0.1	0.2
(1,1996)	1:97:D:LYS:CE	1:68:E:GLY:CA	2	0.2	0.05	0.2
(1,1996)	1:97:C:LYS:CE	1:68:D:GLY:CA	2	0.2	0.05	0.2
(1,2368)	1:82:C:VAL:CG1	1:88:C:ILE:CB	2	0.19	0.08	0.19
(1,2368)	1:82:A:VAL:CG1	1:88:A:ILE:CB	2	0.19	0.08	0.19
(1,2265)	1:65:A:ASN:CA	1:63:A:VAL:CG1	2	0.16	0.01	0.16
(1,2265)	1:65:E:ASN:CA	1:63:E:VAL:CG1	2	0.16	0.01	0.16
(1,2640)	1:71:B:VAL:CG2	1:91:A:ALA:CA	2	0.15	0.02	0.15
(1,2640)	1:71:E:VAL:CG2	1:91:E:ALA:CA	2	0.15	0.02	0.15
(1,1585)	1:75:A:THR:CB	1:77:A:VAL:CB	2	0.14	0.04	0.14
(1,1585)	1:75:B:THR:CB	1:77:B:VAL:CB	2	0.14	0.04	0.14
(1,4241)	1:75:A:THR:CB	1:77:A:VAL:CB	2	0.14	0.04	0.14
(1,4241)	1:75:B:THR:CB	1:77:B:VAL:CB	2	0.14	0.04	0.14
(1,1706)	1:80:A:LYS:CA	1:79:A:GLN:CD	2	0.13	0.03	0.13
(1,1706)	1:80:B:LYS:CA	1:79:B:GLN:CD	2	0.13	0.03	0.13
(1,3873)	1:57:D:GLU:C	1:58:D:LYS:CD	2	0.13	0.02	0.13
(1,3873)	1:57:A:GLU:C	1:58:A:LYS:CD	2	0.13	0.02	0.13
(1,1350)	1:71:B:VAL:CB	1:93:A:GLY:C	2	0.12	0.02	0.12
(1,1350)	1:71:D:VAL:CB	1:93:C:GLY:C	2	0.12	0.02	0.12

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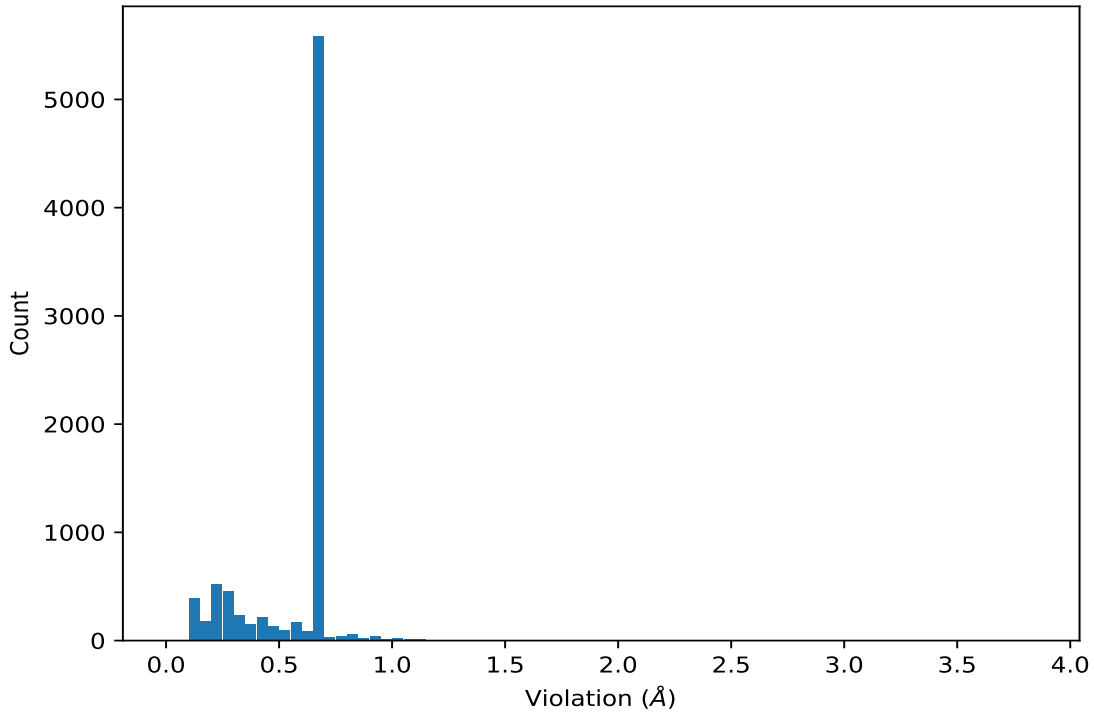
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1351)	1:71:B:VAL:CB	1:93:A:GLY:C	2	0.12	0.02	0.12
(1,1351)	1:71:D:VAL:CB	1:93:C:GLY:C	2	0.12	0.02	0.12
(1,3274)	1:71:B:VAL:CB	1:93:A:GLY:C	2	0.12	0.02	0.12
(1,3274)	1:71:D:VAL:CB	1:93:C:GLY:C	2	0.12	0.02	0.12
(1,3293)	1:71:B:VAL:CB	1:93:A:GLY:C	2	0.12	0.02	0.12
(1,3293)	1:71:D:VAL:CB	1:93:C:GLY:C	2	0.12	0.02	0.12
(1,2269)	1:95:A:VAL:C	1:88:A:ILE:CB	2	0.12	0.0	0.12
(1,4017)	1:80:B:LYS:CA	1:46:A:GLU:CB	2	0.12	0.0	0.12
(1,4017)	1:80:C:LYS:CA	1:46:B:GLU:CB	2	0.12	0.0	0.12

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations

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

Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:37:B:VAL:CG2	1:33:B:THR:CA	4	3.84
(1,2424)	1:40:A:VAL:CA	1:43:A:LYS:CE	6	3.66
(1,945)	1:37:B:VAL:CG2	1:40:B:VAL:C	9	3.46
(1,4154)	1:43:A:LYS:CE	1:40:A:VAL:CB	6	2.8
(1,414)	1:40:C:VAL:C	1:37:C:VAL:CB	9	2.69
(1,2064)	1:77:B:VAL:CG1	1:94:A:PHE:CE2	5	2.6
(1,4153)	1:37:C:VAL:CB	1:40:C:VAL:CB	9	2.5
(1,490)	1:37:C:VAL:CB	1:40:C:VAL:CB	9	2.5
(1,2064)	1:77:C:VAL:CG1	1:94:B:PHE:CE2	4	2.49
(3,15)	1:68:C:GLY:CA	1:94:B:PHE:CG	5	2.42
(3,15)	1:68:B:GLY:CA	1:94:B:PHE:CG	8	2.39
(1,2064)	1:77:B:VAL:CG1	1:94:A:PHE:CE2	2	2.38
(3,15)	1:68:B:GLY:CA	1:94:B:PHE:CG	3	2.37
(1,1989)	1:43:E:LYS:CE	1:39:E:TYR:CB	6	2.36
(1,1462)	1:43:E:LYS:CE	1:41:E:GLY:CA	6	2.34
(1,3526)	1:43:D:LYS:CE	1:40:D:VAL:C	6	2.32
(1,3511)	1:43:D:LYS:CE	1:40:D:VAL:C	6	2.32
(1,2440)	1:40:D:VAL:C	1:43:D:LYS:CE	6	2.32
(3,15)	1:68:B:GLY:CA	1:94:A:PHE:CG	4	2.25
(1,2064)	1:77:D:VAL:CG1	1:94:C:PHE:CE2	9	2.12
(3,15)	1:68:D:GLY:CA	1:94:C:PHE:CG	2	1.99
(1,3852)	1:39:B:TYR:C	1:37:B:VAL:CB	9	1.99
(1,799)	1:37:C:VAL:CG2	1:33:C:THR:CA	8	1.97
(3,15)	1:68:C:GLY:CA	1:94:C:PHE:CG	1	1.93
(3,15)	1:68:D:GLY:CA	1:94:C:PHE:CG	9	1.92
(1,4172)	1:71:B:VAL:C	1:74:B:VAL:CG2	2	1.91
(1,2424)	1:40:B:VAL:CA	1:43:B:LYS:CE	8	1.89
(1,2064)	1:77:C:VAL:CG1	1:94:C:PHE:CE2	8	1.89
(1,4172)	1:71:A:VAL:C	1:74:A:VAL:CG2	7	1.84
(1,4172)	1:71:B:VAL:C	1:74:B:VAL:CG2	3	1.82
(1,4172)	1:71:A:VAL:C	1:74:A:VAL:CG2	6	1.81
(1,4172)	1:71:D:VAL:C	1:74:D:VAL:CG2	4	1.8
(1,4172)	1:71:A:VAL:C	1:74:A:VAL:CG2	1	1.78
(1,2064)	1:77:B:VAL:CG2	1:94:B:PHE:CE1	3	1.75
(1,4172)	1:71:D:VAL:C	1:74:D:VAL:CG2	5	1.68
(1,2064)	1:77:E:VAL:CG2	1:94:E:PHE:CE1	1	1.67
(1,3701)	1:96:D:LYS:CA	1:97:D:LYS:CG	4	1.66
(1,4172)	1:71:A:VAL:C	1:74:A:VAL:CG2	8	1.64
(1,3346)	1:72:B:THR:CB	1:64:A:THR:C	7	1.62
(1,3696)	1:94:E:PHE:CD1	1:97:E:LYS:CG	4	1.61
(1,1641)	1:77:D:VAL:CA	1:74:D:VAL:CG1	1	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:77:E:VAL:CG2	1:94:D:PHE:CE1	7	1.54
(3,1)	1:92:C:THR:CB	1:88:C:ILE:CD1	2	1.53
(1,1829)	1:63:A:VAL:CG2	1:73:B:GLY:CA	10	1.48
(1,3646)	1:80:E:LYS:C	1:48:D:VAL:CG2	8	1.47
(1,3346)	1:72:D:THR:CB	1:64:D:THR:C	2	1.46
(1,2064)	1:77:B:VAL:CG2	1:94:A:PHE:CE1	6	1.46
(3,1)	1:92:E:THR:CB	1:88:E:ILE:CD1	3	1.45
(1,1829)	1:63:B:VAL:CG2	1:73:C:GLY:CA	7	1.44
(3,15)	1:68:C:GLY:CA	1:94:C:PHE:CG	10	1.43
(3,15)	1:68:E:GLY:CA	1:94:E:PHE:CG	6	1.42
(3,1)	1:92:C:THR:CB	1:88:C:ILE:CD1	4	1.42
(3,1)	1:92:E:THR:CB	1:88:E:ILE:CD1	7	1.39
(1,2768)	1:43:A:LYS:CG	1:39:A:TYR:CA	8	1.39
(3,1)	1:92:C:THR:CB	1:88:C:ILE:CD1	9	1.38
(1,2768)	1:43:E:LYS:CG	1:39:E:TYR:CA	6	1.37
(1,1829)	1:63:B:VAL:CG2	1:73:B:GLY:CA	8	1.36
(3,1)	1:92:C:THR:CB	1:88:D:ILE:CD1	5	1.35
(3,1)	1:92:A:THR:CB	1:88:A:ILE:CD1	6	1.35
(1,4247)	1:79:D:GLN:CB	1:77:D:VAL:CB	9	1.35
(3,15)	1:68:A:GLY:CA	1:94:A:PHE:CG	7	1.34
(1,3286)	1:70:B:VAL:CG2	1:93:B:GLY:C	6	1.33
(1,4181)	1:79:B:GLN:CD	1:46:A:GLU:CG	3	1.32
(1,3543)	1:42:C:SER:CA	1:37:C:VAL:C	9	1.3
(3,1)	1:92:A:THR:CB	1:88:A:ILE:CD1	8	1.29
(1,4172)	1:71:C:VAL:C	1:74:C:VAL:CG2	10	1.27
(1,3165)	1:74:B:VAL:CG2	1:72:B:THR:CB	1	1.26
(1,3165)	1:74:A:VAL:CG2	1:72:A:THR:CB	8	1.26
(1,3163)	1:74:B:VAL:CG2	1:72:B:THR:CB	1	1.26
(1,3163)	1:74:A:VAL:CG2	1:72:A:THR:CB	8	1.26
(1,799)	1:37:B:VAL:CG2	1:33:B:THR:CA	10	1.24
(3,1)	1:92:B:THR:CB	1:88:B:ILE:CD1	10	1.23
(1,3004)	1:45:C:LYS:CE	1:48:C:VAL:CA	10	1.23
(1,1338)	1:82:D:VAL:CG1	1:94:D:PHE:CZ	9	1.23
(1,3165)	1:74:C:VAL:CG2	1:72:C:THR:CB	4	1.22
(1,3165)	1:74:C:VAL:CG2	1:72:C:THR:CB	9	1.22
(1,3163)	1:74:C:VAL:CG2	1:72:C:THR:CB	4	1.22
(1,3163)	1:74:C:VAL:CG2	1:72:C:THR:CB	9	1.22
(1,2384)	1:94:A:PHE:C	1:97:A:LYS:CE	9	1.21
(1,4181)	1:79:C:GLN:CD	1:46:B:GLU:CG	2	1.2
(1,3286)	1:70:D:VAL:CG2	1:93:D:GLY:C	10	1.2
(1,3004)	1:45:D:LYS:CE	1:48:D:VAL:CA	2	1.19
(3,25)	1:44:B:THR:CA	1:39:B:TYR:CZ	10	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:71:D:VAL:C	1:74:D:VAL:CG2	9	1.18
(1,799)	1:37:A:VAL:CG2	1:33:A:THR:CA	2	1.18
(1,1338)	1:82:B:VAL:CG1	1:94:B:PHE:CZ	4	1.17
(1,3717)	1:40:A:VAL:C	1:43:A:LYS:CG	8	1.16
(1,3286)	1:70:B:VAL:CG2	1:93:A:GLY:C	2	1.15
(1,3286)	1:70:E:VAL:CG2	1:93:D:GLY:C	7	1.15
(1,4247)	1:79:D:GLN:CB	1:77:D:VAL:CB	2	1.14
(1,2291)	1:41:C:GLY:C	1:39:C:TYR:CE1	9	1.14
(1,3695)	1:94:A:PHE:C	1:97:A:LYS:CG	4	1.13
(1,3165)	1:74:E:VAL:CG2	1:72:E:THR:CB	5	1.13
(1,3163)	1:74:E:VAL:CG2	1:72:E:THR:CB	5	1.13
(1,1641)	1:77:E:VAL:CA	1:74:E:VAL:CG1	10	1.13
(1,3637)	1:77:E:VAL:C	1:48:D:VAL:CG1	2	1.12
(1,2423)	1:48:B:VAL:CG1	1:45:B:LYS:CE	2	1.12
(1,3286)	1:70:C:VAL:CG2	1:93:C:GLY:C	3	1.11
(1,3004)	1:45:A:LYS:CE	1:48:A:VAL:CA	9	1.11
(1,3646)	1:80:C:LYS:C	1:48:B:VAL:CG2	5	1.1
(1,4084)	1:76:A:ALA:CA	1:79:A:GLN:CB	9	1.09
(1,1784)	1:70:E:VAL:CG2	1:66:E:VAL:C	2	1.09
(1,1784)	1:70:A:VAL:CG2	1:66:A:VAL:C	4	1.09
(1,3248)	1:88:E:ILE:C	1:81:E:THR:CB	9	1.08
(1,600)	1:74:B:VAL:CG1	1:75:B:THR:CB	5	1.08
(1,343)	1:75:B:THR:CB	1:74:B:VAL:CG1	5	1.08
(1,4183)	1:58:E:LYS:C	1:55:E:VAL:CG1	8	1.06
(1,3813)	1:82:B:VAL:CG1	1:88:B:ILE:CG1	7	1.06
(1,3717)	1:40:D:VAL:C	1:43:D:LYS:CG	6	1.06
(1,3004)	1:45:A:LYS:CE	1:48:A:VAL:CA	5	1.06
(1,2450)	1:88:B:ILE:CG1	1:82:B:VAL:CG1	7	1.06
(1,2384)	1:94:A:PHE:C	1:97:A:LYS:CE	2	1.06
(1,1641)	1:77:A:VAL:CA	1:74:A:VAL:CG1	5	1.06
(1,4247)	1:79:D:GLN:CB	1:77:D:VAL:CB	3	1.05
(1,4084)	1:76:B:ALA:CA	1:79:B:GLN:CB	2	1.04
(1,3646)	1:80:C:LYS:C	1:48:B:VAL:CG2	4	1.04
(1,2349)	1:77:C:VAL:CG1	1:88:B:ILE:CB	3	1.04
(1,4206)	1:80:E:LYS:CG	1:82:E:VAL:CG2	4	1.03
(1,3813)	1:82:A:VAL:CG1	1:88:A:ILE:CG1	3	1.02
(1,3637)	1:77:C:VAL:C	1:48:B:VAL:CG1	9	1.02
(1,3174)	1:71:C:VAL:CG1	1:92:B:THR:CB	9	1.02
(1,3004)	1:45:D:LYS:CE	1:48:D:VAL:CA	4	1.02
(1,2450)	1:88:A:ILE:CG1	1:82:A:VAL:CG1	3	1.02
(1,4084)	1:76:E:ALA:CA	1:79:E:GLN:CB	3	1.01
(1,3813)	1:82:C:VAL:CG1	1:88:C:ILE:CG1	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3165)	1:74:A:VAL:CG2	1:72:A:THR:CB	10	1.01
(1,3163)	1:74:A:VAL:CG2	1:72:A:THR:CB	10	1.01
(1,2450)	1:88:C:ILE:CG1	1:82:C:VAL:CG1	9	1.01
(1,1784)	1:70:C:VAL:CG2	1:66:C:VAL:C	5	1.01
(1,600)	1:74:E:VAL:CG1	1:75:E:THR:CB	7	1.01
(1,600)	1:74:A:VAL:CG1	1:75:A:THR:CB	10	1.01
(1,343)	1:75:E:THR:CB	1:74:E:VAL:CG1	7	1.01
(1,343)	1:75:A:THR:CB	1:74:A:VAL:CG1	10	1.01
(1,4183)	1:58:C:LYS:C	1:55:C:VAL:CG1	7	1.0
(1,3646)	1:80:E:LYS:C	1:48:D:VAL:CG2	2	1.0
(1,3081)	1:89:A:ALA:C	1:77:B:VAL:CA	3	1.0
(1,3864)	1:40:A:VAL:CG2	1:37:A:VAL:CB	9	0.98
(1,3856)	1:40:A:VAL:CG2	1:37:A:VAL:CB	9	0.98
(1,1641)	1:77:D:VAL:CA	1:74:D:VAL:CG1	9	0.98
(1,4206)	1:80:D:LYS:CG	1:82:D:VAL:CG2	8	0.97
(1,4154)	1:43:D:LYS:CE	1:40:D:VAL:CB	8	0.97
(1,1784)	1:70:E:VAL:CG2	1:66:E:VAL:C	6	0.97
(1,1347)	1:68:E:GLY:CA	1:93:E:GLY:C	3	0.97
(3,25)	1:44:A:THR:CA	1:39:A:TYR:CZ	5	0.96
(1,4252)	1:58:A:LYS:C	1:57:A:GLU:CG	3	0.96
(1,1641)	1:77:A:VAL:CA	1:74:A:VAL:CG1	6	0.96
(1,541)	1:74:B:VAL:CB	1:75:B:THR:CB	7	0.96
(1,3637)	1:77:C:VAL:C	1:48:B:VAL:CG1	7	0.95
(1,2384)	1:94:C:PHE:C	1:97:C:LYS:CE	6	0.95
(1,2291)	1:41:A:GLY:C	1:39:A:TYR:CE1	1	0.95
(1,1784)	1:70:D:VAL:CG2	1:66:D:VAL:C	7	0.95
(1,1641)	1:77:D:VAL:CA	1:74:D:VAL:CG1	4	0.95
(1,541)	1:74:C:VAL:CB	1:75:C:THR:CB	5	0.95
(1,4252)	1:58:D:LYS:C	1:57:D:GLU:CG	5	0.94
(1,4247)	1:79:D:GLN:CB	1:77:D:VAL:CB	1	0.94
(1,4247)	1:79:D:GLN:CB	1:77:D:VAL:CB	4	0.94
(1,3165)	1:74:C:VAL:CG2	1:72:C:THR:CB	2	0.94
(1,3163)	1:74:C:VAL:CG2	1:72:C:THR:CB	2	0.94
(1,1641)	1:77:A:VAL:CA	1:74:A:VAL:CG1	2	0.94
(1,4247)	1:79:C:GLN:CB	1:77:C:VAL:CB	8	0.93
(1,4183)	1:58:C:LYS:C	1:55:C:VAL:CG1	1	0.93
(1,4084)	1:76:B:ALA:CA	1:79:B:GLN:CB	5	0.93
(1,3036)	1:71:A:VAL:CG2	1:70:A:VAL:CA	2	0.93
(1,2291)	1:41:C:GLY:C	1:39:C:TYR:CE2	2	0.93
(1,1829)	1:63:E:VAL:CG2	1:73:E:GLY:CA	2	0.93
(1,1359)	1:82:C:VAL:CG1	1:88:C:ILE:CG2	9	0.93
(1,2064)	1:77:C:VAL:CG2	1:94:B:PHE:CE1	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:74:A:VAL:CB	1:75:A:THR:CB	10	0.92
(1,4247)	1:79:A:GLN:CB	1:77:A:VAL:CB	5	0.91
(1,4084)	1:76:E:ALA:CA	1:79:E:GLN:CB	8	0.91
(1,3813)	1:82:A:VAL:CG1	1:88:A:ILE:CG1	10	0.91
(1,3702)	1:95:A:VAL:CG1	1:97:A:LYS:CG	4	0.91
(1,3286)	1:70:E:VAL:CG2	1:93:D:GLY:C	9	0.91
(1,3165)	1:74:B:VAL:CG2	1:72:B:THR:CB	3	0.91
(1,3163)	1:74:B:VAL:CG2	1:72:B:THR:CB	3	0.91
(1,2450)	1:88:A:ILE:CG1	1:82:A:VAL:CG1	10	0.91
(1,1784)	1:70:B:VAL:CG2	1:66:B:VAL:C	9	0.91
(1,1641)	1:77:D:VAL:CA	1:74:D:VAL:CG1	3	0.91
(1,3973)	1:46:B:GLU:CA	1:80:C:LYS:CD	8	0.9
(1,3813)	1:82:A:VAL:CG1	1:88:A:ILE:CG1	1	0.9
(1,3646)	1:80:B:LYS:C	1:48:A:VAL:CG2	1	0.9
(1,3174)	1:71:E:VAL:CG1	1:92:D:THR:CB	4	0.9
(1,3036)	1:71:E:VAL:CG2	1:70:E:VAL:CA	8	0.9
(1,2450)	1:88:A:ILE:CG1	1:82:A:VAL:CG1	1	0.9
(1,2404)	1:96:B:LYS:CA	1:97:B:LYS:CE	2	0.9
(1,4247)	1:79:A:GLN:CB	1:77:A:VAL:CB	10	0.89
(1,4183)	1:58:C:LYS:C	1:55:C:VAL:CG1	9	0.89
(1,3174)	1:71:C:VAL:CG2	1:92:B:THR:CB	2	0.89
(1,3036)	1:71:D:VAL:CG2	1:70:D:VAL:CA	6	0.89
(1,4183)	1:58:A:LYS:C	1:55:A:VAL:CG1	4	0.88
(1,4084)	1:76:E:ALA:CA	1:79:E:GLN:CB	6	0.88
(1,3286)	1:70:D:VAL:CG2	1:93:D:GLY:C	5	0.88
(1,3174)	1:71:D:VAL:CG1	1:92:D:THR:CB	6	0.88
(1,2349)	1:77:C:VAL:CG1	1:88:B:ILE:CB	2	0.88
(1,1641)	1:77:D:VAL:CA	1:74:D:VAL:CG1	8	0.88
(1,4247)	1:79:E:GLN:CB	1:77:E:VAL:CB	6	0.87
(1,4183)	1:58:B:LYS:C	1:55:B:VAL:CG1	2	0.87
(1,4160)	1:42:D:SER:CA	1:40:D:VAL:CB	7	0.87
(1,4000)	1:48:A:VAL:CG2	1:79:B:GLN:CG	2	0.87
(1,3081)	1:89:C:ALA:C	1:77:D:VAL:CA	2	0.87
(1,2877)	1:95:B:VAL:CG1	1:96:B:LYS:CA	2	0.87
(1,2423)	1:48:A:VAL:CG2	1:45:A:LYS:CE	9	0.87
(1,2413)	1:81:A:THR:CG2	1:80:A:LYS:CE	8	0.87
(1,1972)	1:93:A:GLY:CA	1:88:A:ILE:CD1	8	0.87
(1,4206)	1:80:D:LYS:CG	1:82:D:VAL:CG2	9	0.86
(1,4084)	1:76:D:ALA:CA	1:79:D:GLN:CB	4	0.86
(1,3380)	1:47:A:GLY:C	1:77:B:VAL:C	7	0.86
(1,1338)	1:82:D:VAL:CG1	1:94:D:PHE:CZ	5	0.86
(1,4181)	1:79:D:GLN:CD	1:46:C:GLU:CG	5	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4084)	1:76:D:ALA:CA	1:79:D:GLN:CB	10	0.85
(1,3612)	1:67:D:GLY:CA	1:70:D:VAL:CG2	2	0.85
(1,3612)	1:67:C:GLY:CA	1:70:C:VAL:CG2	4	0.85
(1,3081)	1:89:C:ALA:C	1:77:D:VAL:CA	5	0.85
(1,3036)	1:71:A:VAL:CG2	1:70:A:VAL:CA	3	0.85
(1,3036)	1:71:A:VAL:CG2	1:70:A:VAL:CA	5	0.85
(1,2543)	1:70:D:VAL:CG2	1:67:D:GLY:CA	2	0.85
(1,2543)	1:70:C:VAL:CG2	1:67:C:GLY:CA	4	0.85
(1,988)	1:67:D:GLY:CA	1:70:D:VAL:CG2	2	0.85
(1,988)	1:67:C:GLY:CA	1:70:C:VAL:CG2	4	0.85
(3,1)	1:92:B:THR:CB	1:88:B:ILE:CD1	1	0.84
(1,4252)	1:58:B:LYS:C	1:57:B:GLU:CG	10	0.84
(1,3646)	1:80:C:LYS:C	1:48:C:VAL:CG2	7	0.84
(1,3036)	1:71:A:VAL:CG2	1:70:A:VAL:CA	7	0.84
(1,3004)	1:45:A:LYS:CE	1:48:A:VAL:CA	3	0.84
(1,2572)	1:96:A:LYS:CA	1:86:A:GLY:CA	3	0.84
(1,4084)	1:76:D:ALA:CA	1:79:D:GLN:CB	1	0.83
(1,3505)	1:47:C:GLY:CA	1:49:C:VAL:CG2	7	0.83
(1,3174)	1:71:C:VAL:CG2	1:92:B:THR:CB	3	0.83
(1,3004)	1:45:C:LYS:CE	1:48:C:VAL:CA	1	0.83
(1,2620)	1:49:C:VAL:CG2	1:47:C:GLY:CA	7	0.83
(1,2610)	1:49:C:VAL:CG2	1:47:C:GLY:CA	7	0.83
(1,2472)	1:71:D:VAL:CA	1:73:D:GLY:CA	2	0.83
(1,2283)	1:79:B:GLN:C	1:79:B:GLN:CD	7	0.83
(1,1989)	1:43:E:LYS:CE	1:39:E:TYR:CB	8	0.83
(1,1608)	1:73:D:GLY:CA	1:71:D:VAL:CA	2	0.83
(1,1347)	1:68:E:GLY:CA	1:93:D:GLY:C	4	0.83
(1,1338)	1:82:C:VAL:CG1	1:94:C:PHE:CZ	2	0.83
(1,1221)	1:49:C:VAL:CG2	1:47:C:GLY:CA	7	0.83
(1,971)	1:47:C:GLY:CA	1:49:C:VAL:CG2	7	0.83
(1,708)	1:45:E:LYS:CA	1:43:E:LYS:C	7	0.83
(1,4356)	1:95:A:VAL:CG1	1:98:A:ASP:CB	1	0.82
(1,4206)	1:80:A:LYS:CG	1:82:A:VAL:CG2	3	0.82
(1,4206)	1:80:A:LYS:CG	1:82:A:VAL:CG2	5	0.82
(1,3165)	1:74:B:VAL:CG2	1:72:B:THR:CB	6	0.82
(1,3163)	1:74:B:VAL:CG2	1:72:B:THR:CB	6	0.82
(1,2472)	1:71:C:VAL:CA	1:73:C:GLY:CA	6	0.82
(1,1608)	1:73:C:GLY:CA	1:71:C:VAL:CA	6	0.82
(1,1347)	1:68:B:GLY:CA	1:93:A:GLY:C	5	0.82
(1,708)	1:45:C:LYS:CA	1:43:C:LYS:C	5	0.82
(1,708)	1:45:D:LYS:CA	1:43:D:LYS:C	10	0.82
(1,4206)	1:80:A:LYS:CG	1:82:A:VAL:CG2	1	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3813)	1:82:B:VAL:CG1	1:88:B:ILE:CG1	4	0.81
(1,3813)	1:82:B:VAL:CG1	1:88:B:ILE:CG1	6	0.81
(1,3754)	1:81:C:THR:C	1:80:C:LYS:CG	8	0.81
(1,3589)	1:58:C:LYS:CD	1:57:C:GLU:CD	10	0.81
(1,3197)	1:74:D:VAL:CA	1:75:D:THR:CB	7	0.81
(1,3036)	1:71:A:VAL:CG2	1:70:A:VAL:CA	1	0.81
(1,2877)	1:95:D:VAL:CG1	1:96:D:LYS:CA	9	0.81
(1,2450)	1:88:B:ILE:CG1	1:82:B:VAL:CG1	4	0.81
(1,2450)	1:88:B:ILE:CG1	1:82:B:VAL:CG1	6	0.81
(1,1629)	1:58:A:LYS:CE	1:61:A:GLU:CG	2	0.81
(1,708)	1:45:D:LYS:CA	1:43:D:LYS:C	4	0.81
(1,4183)	1:58:D:LYS:C	1:55:D:VAL:CG1	6	0.8
(1,3248)	1:88:A:ILE:C	1:81:A:THR:CB	3	0.8
(1,2409)	1:47:E:GLY:C	1:45:E:LYS:CE	2	0.8
(1,1693)	1:80:B:LYS:CD	1:46:A:GLU:CG	3	0.8
(1,1653)	1:46:A:GLU:CG	1:80:B:LYS:CD	3	0.8
(1,1641)	1:77:B:VAL:CA	1:74:B:VAL:CG1	7	0.8
(1,3646)	1:80:C:LYS:C	1:48:B:VAL:CG2	3	0.79
(1,3365)	1:75:D:THR:C	1:77:D:VAL:C	1	0.79
(1,3197)	1:74:B:VAL:CA	1:75:B:THR:CB	5	0.79
(1,3165)	1:74:C:VAL:CG2	1:72:C:THR:CB	7	0.79
(1,3163)	1:74:C:VAL:CG2	1:72:C:THR:CB	7	0.79
(1,3004)	1:45:A:LYS:CE	1:48:A:VAL:CA	8	0.79
(1,2472)	1:71:C:VAL:CA	1:73:C:GLY:CA	3	0.79
(1,2472)	1:71:C:VAL:CA	1:73:C:GLY:CA	7	0.79
(1,2349)	1:77:A:VAL:CG1	1:88:A:ILE:CB	5	0.79
(1,2250)	1:77:D:VAL:C	1:75:D:THR:C	1	0.79
(1,1608)	1:73:C:GLY:CA	1:71:C:VAL:CA	3	0.79
(1,1608)	1:73:C:GLY:CA	1:71:C:VAL:CA	7	0.79
(3,25)	1:44:A:THR:CA	1:39:A:TYR:CZ	2	0.78
(1,3286)	1:70:A:VAL:CG2	1:93:A:GLY:C	8	0.78
(1,2793)	1:88:D:ILE:C	1:83:D:GLU:CA	9	0.78
(1,2423)	1:48:A:VAL:CG2	1:45:A:LYS:CE	10	0.78
(1,2283)	1:79:D:GLN:C	1:79:D:GLN:CD	5	0.78
(1,1811)	1:44:C:THR:CA	1:39:C:TYR:CG	10	0.78
(1,3646)	1:80:C:LYS:C	1:48:C:VAL:CG2	10	0.77
(1,3612)	1:67:C:GLY:CA	1:70:C:VAL:CG2	6	0.77
(1,2543)	1:70:C:VAL:CG2	1:67:C:GLY:CA	6	0.77
(1,1359)	1:82:C:VAL:CG1	1:88:C:ILE:CG2	7	0.77
(1,988)	1:67:C:GLY:CA	1:70:C:VAL:CG2	6	0.77
(1,911)	1:74:A:VAL:CG1	1:75:A:THR:C	10	0.77
(3,14)	1:92:A:THR:CB	1:74:B:VAL:CG2	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3612)	1:67:A:GLY:CA	1:70:A:VAL:CG2	7	0.76
(1,3612)	1:67:A:GLY:CA	1:70:A:VAL:CG2	9	0.76
(1,3421)	1:33:C:THR:CA	1:36:C:GLY:C	7	0.76
(1,3346)	1:72:D:THR:CB	1:64:D:THR:C	10	0.76
(1,3081)	1:89:B:ALA:C	1:77:B:VAL:CA	6	0.76
(1,3036)	1:71:D:VAL:CG2	1:70:D:VAL:CA	9	0.76
(1,2543)	1:70:A:VAL:CG2	1:67:A:GLY:CA	7	0.76
(1,2543)	1:70:A:VAL:CG2	1:67:A:GLY:CA	9	0.76
(1,988)	1:67:A:GLY:CA	1:70:A:VAL:CG2	7	0.76
(1,988)	1:67:A:GLY:CA	1:70:A:VAL:CG2	9	0.76
(1,799)	1:37:B:VAL:CG2	1:33:B:THR:CA	7	0.76
(1,4356)	1:95:B:VAL:CG1	1:98:B:ASP:CB	7	0.75
(1,3174)	1:71:B:VAL:CG2	1:92:A:THR:CB	7	0.75
(1,2349)	1:77:C:VAL:CG1	1:88:B:ILE:CB	6	0.75
(1,2283)	1:79:B:GLN:C	1:79:B:GLN:CD	3	0.75
(1,4200)	1:96:A:LYS:CA	1:97:A:LYS:CB	10	0.74
(1,3637)	1:77:D:VAL:C	1:48:C:VAL:CG1	8	0.74
(1,3421)	1:33:C:THR:CA	1:36:C:GLY:C	6	0.74
(1,3197)	1:74:C:VAL:CA	1:75:C:THR:CB	10	0.74
(1,2622)	1:48:B:VAL:CG2	1:47:B:GLY:CA	9	0.74
(1,1338)	1:82:D:VAL:CG1	1:94:C:PHE:CZ	7	0.74
(1,3612)	1:67:A:GLY:CA	1:70:A:VAL:CG2	5	0.73
(1,3505)	1:47:A:GLY:CA	1:49:A:VAL:CG2	3	0.73
(1,2620)	1:49:A:VAL:CG2	1:47:A:GLY:CA	3	0.73
(1,2610)	1:49:A:VAL:CG2	1:47:A:GLY:CA	3	0.73
(1,2543)	1:70:A:VAL:CG2	1:67:A:GLY:CA	5	0.73
(1,1221)	1:49:A:VAL:CG2	1:47:A:GLY:CA	3	0.73
(1,988)	1:67:A:GLY:CA	1:70:A:VAL:CG2	5	0.73
(1,971)	1:47:A:GLY:CA	1:49:A:VAL:CG2	3	0.73
(3,14)	1:92:C:THR:CB	1:74:C:VAL:CG2	7	0.72
(1,3696)	1:94:E:PHE:CD1	1:97:E:LYS:CG	5	0.72
(1,3646)	1:80:C:LYS:C	1:48:B:VAL:CG2	6	0.72
(1,3430)	1:43:A:LYS:CD	1:41:A:GLY:C	8	0.72
(1,3286)	1:70:E:VAL:CG2	1:93:D:GLY:C	1	0.72
(1,2291)	1:41:D:GLY:C	1:39:D:TYR:CE1	8	0.72
(1,2291)	1:41:D:GLY:C	1:39:D:TYR:CE2	10	0.72
(1,1359)	1:82:B:VAL:CG1	1:88:B:ILE:CG2	4	0.72
(1,911)	1:74:B:VAL:CG1	1:75:B:THR:C	5	0.72
(1,4356)	1:95:B:VAL:CG1	1:98:B:ASP:CB	3	0.71
(1,4206)	1:80:A:LYS:CG	1:82:A:VAL:CG2	2	0.71
(1,4178)	1:75:E:THR:CA	1:74:E:VAL:CB	10	0.71
(1,3637)	1:77:D:VAL:C	1:48:D:VAL:CG1	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3505)	1:47:A:GLY:CA	1:49:A:VAL:CG2	6	0.71
(1,3036)	1:71:B:VAL:CG2	1:70:B:VAL:CA	10	0.71
(1,2620)	1:49:A:VAL:CG2	1:47:A:GLY:CA	6	0.71
(1,2610)	1:49:A:VAL:CG2	1:47:A:GLY:CA	6	0.71
(1,2283)	1:79:E:GLN:C	1:79:E:GLN:CD	6	0.71
(1,1738)	1:95:D:VAL:CA	1:97:D:LYS:CG	4	0.71
(1,1528)	1:75:E:THR:CA	1:74:E:VAL:CB	10	0.71
(1,1221)	1:49:A:VAL:CG2	1:47:A:GLY:CA	6	0.71
(1,971)	1:47:A:GLY:CA	1:49:A:VAL:CG2	6	0.71
(1,4181)	1:79:D:GLN:CD	1:46:C:GLU:CG	6	0.7
(1,3174)	1:71:D:VAL:CG2	1:92:C:THR:CB	5	0.7
(1,2283)	1:79:C:GLN:C	1:79:C:GLN:CD	8	0.7
(1,1784)	1:70:E:VAL:CG2	1:66:E:VAL:C	3	0.7
(2,552)	1:97:A:LYS:N	1:97:B:LYS:N	3	0.69
(2,552)	1:97:A:LYS:N	1:97:B:LYS:N	5	0.69
(2,552)	1:97:D:LYS:N	1:97:E:LYS:N	7	0.69
(2,552)	1:97:D:LYS:N	1:97:E:LYS:N	8	0.69
(2,552)	1:97:C:LYS:N	1:97:D:LYS:N	10	0.69
(2,551)	1:97:D:LYS:CA	1:97:E:LYS:CA	2	0.69
(2,551)	1:97:C:LYS:CA	1:97:D:LYS:CA	3	0.69
(2,551)	1:97:B:LYS:CA	1:97:C:LYS:CA	5	0.69
(2,551)	1:97:C:LYS:CA	1:97:D:LYS:CA	7	0.69
(2,551)	1:97:D:LYS:CA	1:97:E:LYS:CA	10	0.69
(2,550)	1:97:D:LYS:C	1:97:E:LYS:C	3	0.69
(2,550)	1:97:A:LYS:C	1:97:B:LYS:C	5	0.69
(2,550)	1:97:D:LYS:C	1:97:E:LYS:C	7	0.69
(2,550)	1:97:B:LYS:C	1:97:C:LYS:C	8	0.69
(2,550)	1:97:C:LYS:C	1:97:D:LYS:C	10	0.69
(2,549)	1:97:A:LYS:N	1:97:B:LYS:N	3	0.69
(2,549)	1:97:A:LYS:N	1:97:B:LYS:N	5	0.69
(2,549)	1:97:D:LYS:N	1:97:E:LYS:N	7	0.69
(2,549)	1:97:D:LYS:N	1:97:E:LYS:N	8	0.69
(2,549)	1:97:C:LYS:N	1:97:D:LYS:N	10	0.69
(2,548)	1:97:D:LYS:CA	1:97:E:LYS:CA	2	0.69
(2,548)	1:97:C:LYS:CA	1:97:D:LYS:CA	3	0.69
(2,548)	1:97:B:LYS:CA	1:97:C:LYS:CA	5	0.69
(2,548)	1:97:C:LYS:CA	1:97:D:LYS:CA	7	0.69
(2,548)	1:97:D:LYS:CA	1:97:E:LYS:CA	10	0.69
(2,547)	1:97:D:LYS:C	1:97:E:LYS:C	3	0.69
(2,547)	1:97:A:LYS:C	1:97:B:LYS:C	5	0.69
(2,547)	1:97:D:LYS:C	1:97:E:LYS:C	7	0.69
(2,547)	1:97:B:LYS:C	1:97:C:LYS:C	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,547)	1:97:C:LYS:C	1:97:D:LYS:C	10	0.69
(2,546)	1:97:A:LYS:N	1:97:B:LYS:N	3	0.69
(2,546)	1:97:A:LYS:N	1:97:B:LYS:N	5	0.69
(2,546)	1:97:D:LYS:N	1:97:E:LYS:N	7	0.69
(2,546)	1:97:D:LYS:N	1:97:E:LYS:N	8	0.69
(2,546)	1:97:C:LYS:N	1:97:D:LYS:N	10	0.69
(2,545)	1:97:D:LYS:CA	1:97:E:LYS:CA	2	0.69
(2,545)	1:97:C:LYS:CA	1:97:D:LYS:CA	3	0.69
(2,545)	1:97:B:LYS:CA	1:97:C:LYS:CA	5	0.69
(2,545)	1:97:C:LYS:CA	1:97:D:LYS:CA	7	0.69
(2,545)	1:97:D:LYS:CA	1:97:E:LYS:CA	10	0.69
(2,544)	1:97:D:LYS:C	1:97:E:LYS:C	3	0.69
(2,544)	1:97:A:LYS:C	1:97:B:LYS:C	5	0.69
(2,544)	1:97:D:LYS:C	1:97:E:LYS:C	7	0.69
(2,544)	1:97:B:LYS:C	1:97:C:LYS:C	8	0.69
(2,544)	1:97:C:LYS:C	1:97:D:LYS:C	10	0.69
(2,543)	1:97:A:LYS:N	1:97:B:LYS:N	3	0.69
(2,543)	1:97:A:LYS:N	1:97:B:LYS:N	5	0.69
(2,543)	1:97:D:LYS:N	1:97:E:LYS:N	7	0.69
(2,543)	1:97:D:LYS:N	1:97:E:LYS:N	8	0.69
(2,543)	1:97:C:LYS:N	1:97:D:LYS:N	10	0.69
(2,542)	1:97:D:LYS:CA	1:97:E:LYS:CA	2	0.69
(2,542)	1:97:C:LYS:CA	1:97:D:LYS:CA	3	0.69
(2,542)	1:97:B:LYS:CA	1:97:C:LYS:CA	5	0.69
(2,542)	1:97:C:LYS:CA	1:97:D:LYS:CA	7	0.69
(2,542)	1:97:D:LYS:CA	1:97:E:LYS:CA	10	0.69
(2,541)	1:97:D:LYS:C	1:97:E:LYS:C	3	0.69
(2,541)	1:97:A:LYS:C	1:97:B:LYS:C	5	0.69
(2,541)	1:97:D:LYS:C	1:97:E:LYS:C	7	0.69
(2,541)	1:97:B:LYS:C	1:97:C:LYS:C	8	0.69
(2,541)	1:97:C:LYS:C	1:97:D:LYS:C	10	0.69
(2,540)	1:96:C:LYS:N	1:96:D:LYS:N	2	0.69
(2,540)	1:96:B:LYS:N	1:96:C:LYS:N	3	0.69
(2,540)	1:96:A:LYS:N	1:96:B:LYS:N	5	0.69
(2,540)	1:96:D:LYS:N	1:96:E:LYS:N	7	0.69
(2,540)	1:96:D:LYS:N	1:96:E:LYS:N	8	0.69
(2,540)	1:96:A:LYS:N	1:96:B:LYS:N	10	0.69
(2,539)	1:96:D:LYS:CA	1:96:E:LYS:CA	3	0.69
(2,539)	1:96:A:LYS:CA	1:96:B:LYS:CA	5	0.69
(2,539)	1:96:D:LYS:CA	1:96:E:LYS:CA	7	0.69
(2,539)	1:96:C:LYS:CA	1:96:D:LYS:CA	8	0.69
(2,539)	1:96:D:LYS:CA	1:96:E:LYS:CA	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,538)	1:96:D:LYS:C	1:96:E:LYS:C	2	0.69
(2,538)	1:96:B:LYS:C	1:96:C:LYS:C	3	0.69
(2,538)	1:96:B:LYS:C	1:96:C:LYS:C	5	0.69
(2,538)	1:96:A:LYS:C	1:96:B:LYS:C	7	0.69
(2,538)	1:96:A:LYS:C	1:96:B:LYS:C	10	0.69
(2,537)	1:96:C:LYS:N	1:96:D:LYS:N	2	0.69
(2,537)	1:96:B:LYS:N	1:96:C:LYS:N	3	0.69
(2,537)	1:96:A:LYS:N	1:96:B:LYS:N	5	0.69
(2,537)	1:96:D:LYS:N	1:96:E:LYS:N	7	0.69
(2,537)	1:96:D:LYS:N	1:96:E:LYS:N	8	0.69
(2,537)	1:96:A:LYS:N	1:96:B:LYS:N	10	0.69
(2,536)	1:96:D:LYS:CA	1:96:E:LYS:CA	3	0.69
(2,536)	1:96:A:LYS:CA	1:96:B:LYS:CA	5	0.69
(2,536)	1:96:D:LYS:CA	1:96:E:LYS:CA	7	0.69
(2,536)	1:96:C:LYS:CA	1:96:D:LYS:CA	8	0.69
(2,536)	1:96:D:LYS:CA	1:96:E:LYS:CA	10	0.69
(2,535)	1:96:D:LYS:C	1:96:E:LYS:C	2	0.69
(2,535)	1:96:B:LYS:C	1:96:C:LYS:C	3	0.69
(2,535)	1:96:B:LYS:C	1:96:C:LYS:C	5	0.69
(2,535)	1:96:A:LYS:C	1:96:B:LYS:C	7	0.69
(2,535)	1:96:A:LYS:C	1:96:B:LYS:C	10	0.69
(2,534)	1:96:C:LYS:N	1:96:D:LYS:N	2	0.69
(2,534)	1:96:B:LYS:N	1:96:C:LYS:N	3	0.69
(2,534)	1:96:A:LYS:N	1:96:B:LYS:N	5	0.69
(2,534)	1:96:D:LYS:N	1:96:E:LYS:N	7	0.69
(2,534)	1:96:D:LYS:N	1:96:E:LYS:N	8	0.69
(2,534)	1:96:A:LYS:N	1:96:B:LYS:N	10	0.69
(2,533)	1:96:D:LYS:CA	1:96:E:LYS:CA	3	0.69
(2,533)	1:96:A:LYS:CA	1:96:B:LYS:CA	5	0.69
(2,533)	1:96:D:LYS:CA	1:96:E:LYS:CA	7	0.69
(2,533)	1:96:C:LYS:CA	1:96:D:LYS:CA	8	0.69
(2,533)	1:96:D:LYS:CA	1:96:E:LYS:CA	10	0.69
(2,532)	1:96:D:LYS:C	1:96:E:LYS:C	2	0.69
(2,532)	1:96:B:LYS:C	1:96:C:LYS:C	3	0.69
(2,532)	1:96:B:LYS:C	1:96:C:LYS:C	5	0.69
(2,532)	1:96:A:LYS:C	1:96:B:LYS:C	7	0.69
(2,532)	1:96:A:LYS:C	1:96:B:LYS:C	10	0.69
(2,531)	1:96:C:LYS:N	1:96:D:LYS:N	2	0.69
(2,531)	1:96:B:LYS:N	1:96:C:LYS:N	3	0.69
(2,531)	1:96:A:LYS:N	1:96:B:LYS:N	5	0.69
(2,531)	1:96:D:LYS:N	1:96:E:LYS:N	7	0.69
(2,531)	1:96:D:LYS:N	1:96:E:LYS:N	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,531)	1:96:A:LYS:N	1:96:B:LYS:N	10	0.69
(2,530)	1:96:D:LYS:CA	1:96:E:LYS:CA	3	0.69
(2,530)	1:96:A:LYS:CA	1:96:B:LYS:CA	5	0.69
(2,530)	1:96:D:LYS:CA	1:96:E:LYS:CA	7	0.69
(2,530)	1:96:C:LYS:CA	1:96:D:LYS:CA	8	0.69
(2,530)	1:96:D:LYS:CA	1:96:E:LYS:CA	10	0.69
(2,529)	1:96:D:LYS:C	1:96:E:LYS:C	2	0.69
(2,529)	1:96:B:LYS:C	1:96:C:LYS:C	3	0.69
(2,529)	1:96:B:LYS:C	1:96:C:LYS:C	5	0.69
(2,529)	1:96:A:LYS:C	1:96:B:LYS:C	7	0.69
(2,529)	1:96:A:LYS:C	1:96:B:LYS:C	10	0.69
(2,528)	1:95:D:VAL:N	1:95:E:VAL:N	3	0.69
(2,528)	1:95:A:VAL:N	1:95:B:VAL:N	5	0.69
(2,528)	1:95:D:VAL:N	1:95:E:VAL:N	7	0.69
(2,528)	1:95:A:VAL:N	1:95:B:VAL:N	8	0.69
(2,528)	1:95:B:VAL:N	1:95:C:VAL:N	10	0.69
(2,527)	1:95:A:VAL:CA	1:95:B:VAL:CA	3	0.69
(2,527)	1:95:A:VAL:CA	1:95:B:VAL:CA	5	0.69
(2,527)	1:95:D:VAL:CA	1:95:E:VAL:CA	7	0.69
(2,527)	1:95:A:VAL:CA	1:95:B:VAL:CA	10	0.69
(2,526)	1:95:D:VAL:C	1:95:E:VAL:C	2	0.69
(2,526)	1:95:D:VAL:C	1:95:E:VAL:C	3	0.69
(2,526)	1:95:A:VAL:C	1:95:B:VAL:C	5	0.69
(2,526)	1:95:D:VAL:C	1:95:E:VAL:C	7	0.69
(2,526)	1:95:B:VAL:C	1:95:C:VAL:C	10	0.69
(2,525)	1:95:D:VAL:N	1:95:E:VAL:N	3	0.69
(2,525)	1:95:A:VAL:N	1:95:B:VAL:N	5	0.69
(2,525)	1:95:D:VAL:N	1:95:E:VAL:N	7	0.69
(2,525)	1:95:A:VAL:N	1:95:B:VAL:N	8	0.69
(2,525)	1:95:B:VAL:N	1:95:C:VAL:N	10	0.69
(2,524)	1:95:A:VAL:CA	1:95:B:VAL:CA	3	0.69
(2,524)	1:95:A:VAL:CA	1:95:B:VAL:CA	5	0.69
(2,524)	1:95:D:VAL:CA	1:95:E:VAL:CA	7	0.69
(2,524)	1:95:A:VAL:CA	1:95:B:VAL:CA	10	0.69
(2,523)	1:95:D:VAL:C	1:95:E:VAL:C	2	0.69
(2,523)	1:95:D:VAL:C	1:95:E:VAL:C	3	0.69
(2,523)	1:95:A:VAL:C	1:95:B:VAL:C	5	0.69
(2,523)	1:95:D:VAL:C	1:95:E:VAL:C	7	0.69
(2,523)	1:95:B:VAL:C	1:95:C:VAL:C	10	0.69
(2,522)	1:95:D:VAL:N	1:95:E:VAL:N	3	0.69
(2,522)	1:95:A:VAL:N	1:95:B:VAL:N	5	0.69
(2,522)	1:95:D:VAL:N	1:95:E:VAL:N	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,522)	1:95:A:VAL:N	1:95:B:VAL:N	8	0.69
(2,522)	1:95:B:VAL:N	1:95:C:VAL:N	10	0.69
(2,521)	1:95:A:VAL:CA	1:95:B:VAL:CA	3	0.69
(2,521)	1:95:A:VAL:CA	1:95:B:VAL:CA	5	0.69
(2,521)	1:95:D:VAL:CA	1:95:E:VAL:CA	7	0.69
(2,521)	1:95:A:VAL:CA	1:95:B:VAL:CA	10	0.69
(2,520)	1:95:D:VAL:C	1:95:E:VAL:C	2	0.69
(2,520)	1:95:D:VAL:C	1:95:E:VAL:C	3	0.69
(2,520)	1:95:A:VAL:C	1:95:B:VAL:C	5	0.69
(2,520)	1:95:D:VAL:C	1:95:E:VAL:C	7	0.69
(2,520)	1:95:B:VAL:C	1:95:C:VAL:C	10	0.69
(2,519)	1:95:D:VAL:N	1:95:E:VAL:N	3	0.69
(2,519)	1:95:A:VAL:N	1:95:B:VAL:N	5	0.69
(2,519)	1:95:D:VAL:N	1:95:E:VAL:N	7	0.69
(2,519)	1:95:A:VAL:N	1:95:B:VAL:N	8	0.69
(2,519)	1:95:B:VAL:N	1:95:C:VAL:N	10	0.69
(2,518)	1:95:A:VAL:CA	1:95:B:VAL:CA	3	0.69
(2,518)	1:95:A:VAL:CA	1:95:B:VAL:CA	5	0.69
(2,518)	1:95:D:VAL:CA	1:95:E:VAL:CA	7	0.69
(2,518)	1:95:A:VAL:CA	1:95:B:VAL:CA	10	0.69
(2,517)	1:95:D:VAL:C	1:95:E:VAL:C	2	0.69
(2,517)	1:95:D:VAL:C	1:95:E:VAL:C	3	0.69
(2,517)	1:95:A:VAL:C	1:95:B:VAL:C	5	0.69
(2,517)	1:95:D:VAL:C	1:95:E:VAL:C	7	0.69
(2,517)	1:95:B:VAL:C	1:95:C:VAL:C	10	0.69
(2,516)	1:94:B:PHE:N	1:94:C:PHE:N	2	0.69
(2,516)	1:94:B:PHE:N	1:94:C:PHE:N	3	0.69
(2,516)	1:94:A:PHE:N	1:94:B:PHE:N	5	0.69
(2,516)	1:94:D:PHE:N	1:94:E:PHE:N	7	0.69
(2,516)	1:94:D:PHE:N	1:94:E:PHE:N	10	0.69
(2,515)	1:94:C:PHE:CA	1:94:D:PHE:CA	3	0.69
(2,515)	1:94:A:PHE:CA	1:94:B:PHE:CA	5	0.69
(2,515)	1:94:C:PHE:CA	1:94:D:PHE:CA	7	0.69
(2,515)	1:94:A:PHE:CA	1:94:B:PHE:CA	8	0.69
(2,515)	1:94:C:PHE:CA	1:94:D:PHE:CA	10	0.69
(2,514)	1:94:B:PHE:C	1:94:C:PHE:C	3	0.69
(2,514)	1:94:A:PHE:C	1:94:B:PHE:C	5	0.69
(2,514)	1:94:D:PHE:C	1:94:E:PHE:C	7	0.69
(2,514)	1:94:C:PHE:C	1:94:D:PHE:C	8	0.69
(2,514)	1:94:D:PHE:C	1:94:E:PHE:C	10	0.69
(2,513)	1:94:B:PHE:N	1:94:C:PHE:N	2	0.69
(2,513)	1:94:B:PHE:N	1:94:C:PHE:N	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,513)	1:94:A:PHE:N	1:94:B:PHE:N	5	0.69
(2,513)	1:94:D:PHE:N	1:94:E:PHE:N	7	0.69
(2,513)	1:94:D:PHE:N	1:94:E:PHE:N	10	0.69
(2,512)	1:94:C:PHE:CA	1:94:D:PHE:CA	3	0.69
(2,512)	1:94:A:PHE:CA	1:94:B:PHE:CA	5	0.69
(2,512)	1:94:C:PHE:CA	1:94:D:PHE:CA	7	0.69
(2,512)	1:94:A:PHE:CA	1:94:B:PHE:CA	8	0.69
(2,512)	1:94:C:PHE:CA	1:94:D:PHE:CA	10	0.69
(2,511)	1:94:B:PHE:C	1:94:C:PHE:C	3	0.69
(2,511)	1:94:A:PHE:C	1:94:B:PHE:C	5	0.69
(2,511)	1:94:D:PHE:C	1:94:E:PHE:C	7	0.69
(2,511)	1:94:C:PHE:C	1:94:D:PHE:C	8	0.69
(2,511)	1:94:D:PHE:C	1:94:E:PHE:C	10	0.69
(2,510)	1:94:B:PHE:N	1:94:C:PHE:N	2	0.69
(2,510)	1:94:B:PHE:N	1:94:C:PHE:N	3	0.69
(2,510)	1:94:A:PHE:N	1:94:B:PHE:N	5	0.69
(2,510)	1:94:D:PHE:N	1:94:E:PHE:N	7	0.69
(2,510)	1:94:D:PHE:N	1:94:E:PHE:N	10	0.69
(2,509)	1:94:C:PHE:CA	1:94:D:PHE:CA	3	0.69
(2,509)	1:94:A:PHE:CA	1:94:B:PHE:CA	5	0.69
(2,509)	1:94:C:PHE:CA	1:94:D:PHE:CA	7	0.69
(2,509)	1:94:A:PHE:CA	1:94:B:PHE:CA	8	0.69
(2,509)	1:94:C:PHE:CA	1:94:D:PHE:CA	10	0.69
(2,508)	1:94:B:PHE:C	1:94:C:PHE:C	3	0.69
(2,508)	1:94:A:PHE:C	1:94:B:PHE:C	5	0.69
(2,508)	1:94:D:PHE:C	1:94:E:PHE:C	7	0.69
(2,508)	1:94:C:PHE:C	1:94:D:PHE:C	8	0.69
(2,508)	1:94:D:PHE:C	1:94:E:PHE:C	10	0.69
(2,507)	1:94:B:PHE:N	1:94:C:PHE:N	2	0.69
(2,507)	1:94:B:PHE:N	1:94:C:PHE:N	3	0.69
(2,507)	1:94:A:PHE:N	1:94:B:PHE:N	5	0.69
(2,507)	1:94:D:PHE:N	1:94:E:PHE:N	7	0.69
(2,507)	1:94:D:PHE:N	1:94:E:PHE:N	10	0.69
(2,506)	1:94:C:PHE:CA	1:94:D:PHE:CA	3	0.69
(2,506)	1:94:A:PHE:CA	1:94:B:PHE:CA	5	0.69
(2,506)	1:94:C:PHE:CA	1:94:D:PHE:CA	7	0.69
(2,506)	1:94:A:PHE:CA	1:94:B:PHE:CA	8	0.69
(2,506)	1:94:C:PHE:CA	1:94:D:PHE:CA	10	0.69
(2,505)	1:94:B:PHE:C	1:94:C:PHE:C	3	0.69
(2,505)	1:94:A:PHE:C	1:94:B:PHE:C	5	0.69
(2,505)	1:94:D:PHE:C	1:94:E:PHE:C	7	0.69
(2,505)	1:94:C:PHE:C	1:94:D:PHE:C	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,505)	1:94:D:PHE:C	1:94:E:PHE:C	10	0.69
(2,504)	1:92:C:THR:N	1:92:D:THR:N	2	0.69
(2,504)	1:92:A:THR:N	1:92:B:THR:N	3	0.69
(2,504)	1:92:B:THR:N	1:92:C:THR:N	5	0.69
(2,504)	1:92:D:THR:N	1:92:E:THR:N	7	0.69
(2,504)	1:92:A:THR:N	1:92:B:THR:N	10	0.69
(2,503)	1:92:A:THR:CA	1:92:B:THR:CA	2	0.69
(2,503)	1:92:B:THR:CA	1:92:C:THR:CA	3	0.69
(2,503)	1:92:A:THR:CA	1:92:B:THR:CA	5	0.69
(2,503)	1:92:D:THR:CA	1:92:E:THR:CA	7	0.69
(2,503)	1:92:A:THR:CA	1:92:B:THR:CA	8	0.69
(2,503)	1:92:C:THR:CA	1:92:D:THR:CA	10	0.69
(2,502)	1:92:B:THR:C	1:92:C:THR:C	2	0.69
(2,502)	1:92:C:THR:C	1:92:D:THR:C	3	0.69
(2,502)	1:92:A:THR:C	1:92:B:THR:C	5	0.69
(2,502)	1:92:D:THR:C	1:92:E:THR:C	7	0.69
(2,502)	1:92:B:THR:C	1:92:C:THR:C	10	0.69
(2,501)	1:92:C:THR:N	1:92:D:THR:N	2	0.69
(2,501)	1:92:A:THR:N	1:92:B:THR:N	3	0.69
(2,501)	1:92:B:THR:N	1:92:C:THR:N	5	0.69
(2,501)	1:92:D:THR:N	1:92:E:THR:N	7	0.69
(2,501)	1:92:A:THR:N	1:92:B:THR:N	10	0.69
(2,500)	1:92:A:THR:CA	1:92:B:THR:CA	2	0.69
(2,500)	1:92:B:THR:CA	1:92:C:THR:CA	3	0.69
(2,500)	1:92:A:THR:CA	1:92:B:THR:CA	5	0.69
(2,500)	1:92:D:THR:CA	1:92:E:THR:CA	7	0.69
(2,500)	1:92:A:THR:CA	1:92:B:THR:CA	8	0.69
(2,500)	1:92:C:THR:CA	1:92:D:THR:CA	10	0.69
(2,499)	1:92:B:THR:C	1:92:C:THR:C	2	0.69
(2,499)	1:92:C:THR:C	1:92:D:THR:C	3	0.69
(2,499)	1:92:A:THR:C	1:92:B:THR:C	5	0.69
(2,499)	1:92:D:THR:C	1:92:E:THR:C	7	0.69
(2,499)	1:92:B:THR:C	1:92:C:THR:C	10	0.69
(2,498)	1:92:C:THR:N	1:92:D:THR:N	2	0.69
(2,498)	1:92:A:THR:N	1:92:B:THR:N	3	0.69
(2,498)	1:92:B:THR:N	1:92:C:THR:N	5	0.69
(2,498)	1:92:D:THR:N	1:92:E:THR:N	7	0.69
(2,498)	1:92:A:THR:N	1:92:B:THR:N	10	0.69
(2,497)	1:92:A:THR:CA	1:92:B:THR:CA	2	0.69
(2,497)	1:92:B:THR:CA	1:92:C:THR:CA	3	0.69
(2,497)	1:92:A:THR:CA	1:92:B:THR:CA	5	0.69
(2,497)	1:92:D:THR:CA	1:92:E:THR:CA	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,497)	1:92:A:THR:CA	1:92:B:THR:CA	8	0.69
(2,497)	1:92:C:THR:CA	1:92:D:THR:CA	10	0.69
(2,496)	1:92:B:THR:C	1:92:C:THR:C	2	0.69
(2,496)	1:92:C:THR:C	1:92:D:THR:C	3	0.69
(2,496)	1:92:A:THR:C	1:92:B:THR:C	5	0.69
(2,496)	1:92:D:THR:C	1:92:E:THR:C	7	0.69
(2,496)	1:92:B:THR:C	1:92:C:THR:C	10	0.69
(2,495)	1:92:C:THR:N	1:92:D:THR:N	2	0.69
(2,495)	1:92:A:THR:N	1:92:B:THR:N	3	0.69
(2,495)	1:92:B:THR:N	1:92:C:THR:N	5	0.69
(2,495)	1:92:D:THR:N	1:92:E:THR:N	7	0.69
(2,495)	1:92:A:THR:N	1:92:B:THR:N	10	0.69
(2,494)	1:92:A:THR:CA	1:92:B:THR:CA	2	0.69
(2,494)	1:92:B:THR:CA	1:92:C:THR:CA	3	0.69
(2,494)	1:92:A:THR:CA	1:92:B:THR:CA	5	0.69
(2,494)	1:92:D:THR:CA	1:92:E:THR:CA	7	0.69
(2,494)	1:92:A:THR:CA	1:92:B:THR:CA	8	0.69
(2,494)	1:92:C:THR:CA	1:92:D:THR:CA	10	0.69
(2,493)	1:92:B:THR:C	1:92:C:THR:C	2	0.69
(2,493)	1:92:C:THR:C	1:92:D:THR:C	3	0.69
(2,493)	1:92:A:THR:C	1:92:B:THR:C	5	0.69
(2,493)	1:92:D:THR:C	1:92:E:THR:C	7	0.69
(2,493)	1:92:B:THR:C	1:92:C:THR:C	10	0.69
(2,492)	1:91:A:ALA:N	1:91:B:ALA:N	2	0.69
(2,492)	1:91:C:ALA:N	1:91:D:ALA:N	3	0.69
(2,492)	1:91:B:ALA:N	1:91:C:ALA:N	5	0.69
(2,492)	1:91:D:ALA:N	1:91:E:ALA:N	7	0.69
(2,492)	1:91:B:ALA:N	1:91:C:ALA:N	10	0.69
(2,491)	1:91:A:ALA:CA	1:91:B:ALA:CA	5	0.69
(2,491)	1:91:B:ALA:CA	1:91:C:ALA:CA	7	0.69
(2,491)	1:91:B:ALA:CA	1:91:C:ALA:CA	10	0.69
(2,490)	1:91:B:ALA:C	1:91:C:ALA:C	2	0.69
(2,490)	1:91:D:ALA:C	1:91:E:ALA:C	5	0.69
(2,490)	1:91:B:ALA:C	1:91:C:ALA:C	7	0.69
(2,490)	1:91:C:ALA:C	1:91:D:ALA:C	10	0.69
(2,489)	1:91:A:ALA:N	1:91:B:ALA:N	2	0.69
(2,489)	1:91:C:ALA:N	1:91:D:ALA:N	3	0.69
(2,489)	1:91:B:ALA:N	1:91:C:ALA:N	5	0.69
(2,489)	1:91:D:ALA:N	1:91:E:ALA:N	7	0.69
(2,489)	1:91:B:ALA:N	1:91:C:ALA:N	10	0.69
(2,488)	1:91:A:ALA:CA	1:91:B:ALA:CA	5	0.69
(2,488)	1:91:B:ALA:CA	1:91:C:ALA:CA	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,488)	1:91:B:ALA:CA	1:91:C:ALA:CA	10	0.69
(2,487)	1:91:B:ALA:C	1:91:C:ALA:C	2	0.69
(2,487)	1:91:D:ALA:C	1:91:E:ALA:C	5	0.69
(2,487)	1:91:B:ALA:C	1:91:C:ALA:C	7	0.69
(2,487)	1:91:C:ALA:C	1:91:D:ALA:C	10	0.69
(2,486)	1:91:A:ALA:N	1:91:B:ALA:N	2	0.69
(2,486)	1:91:C:ALA:N	1:91:D:ALA:N	3	0.69
(2,486)	1:91:B:ALA:N	1:91:C:ALA:N	5	0.69
(2,486)	1:91:D:ALA:N	1:91:E:ALA:N	7	0.69
(2,486)	1:91:B:ALA:N	1:91:C:ALA:N	10	0.69
(2,485)	1:91:A:ALA:CA	1:91:B:ALA:CA	5	0.69
(2,485)	1:91:B:ALA:CA	1:91:C:ALA:CA	7	0.69
(2,485)	1:91:B:ALA:CA	1:91:C:ALA:CA	10	0.69
(2,484)	1:91:B:ALA:C	1:91:C:ALA:C	2	0.69
(2,484)	1:91:D:ALA:C	1:91:E:ALA:C	5	0.69
(2,484)	1:91:B:ALA:C	1:91:C:ALA:C	7	0.69
(2,484)	1:91:C:ALA:C	1:91:D:ALA:C	10	0.69
(2,483)	1:91:A:ALA:N	1:91:B:ALA:N	2	0.69
(2,483)	1:91:C:ALA:N	1:91:D:ALA:N	3	0.69
(2,483)	1:91:B:ALA:N	1:91:C:ALA:N	5	0.69
(2,483)	1:91:D:ALA:N	1:91:E:ALA:N	7	0.69
(2,483)	1:91:B:ALA:N	1:91:C:ALA:N	10	0.69
(2,482)	1:91:A:ALA:CA	1:91:B:ALA:CA	5	0.69
(2,482)	1:91:B:ALA:CA	1:91:C:ALA:CA	7	0.69
(2,482)	1:91:B:ALA:CA	1:91:C:ALA:CA	10	0.69
(2,481)	1:91:B:ALA:C	1:91:C:ALA:C	2	0.69
(2,481)	1:91:D:ALA:C	1:91:E:ALA:C	5	0.69
(2,481)	1:91:B:ALA:C	1:91:C:ALA:C	7	0.69
(2,481)	1:91:C:ALA:C	1:91:D:ALA:C	10	0.69
(2,480)	1:90:A:ALA:N	1:90:B:ALA:N	2	0.69
(2,480)	1:90:C:ALA:N	1:90:D:ALA:N	3	0.69
(2,480)	1:90:B:ALA:N	1:90:C:ALA:N	5	0.69
(2,480)	1:90:D:ALA:N	1:90:E:ALA:N	7	0.69
(2,480)	1:90:C:ALA:N	1:90:D:ALA:N	10	0.69
(2,479)	1:90:D:ALA:CA	1:90:E:ALA:CA	3	0.69
(2,479)	1:90:B:ALA:CA	1:90:C:ALA:CA	5	0.69
(2,479)	1:90:D:ALA:CA	1:90:E:ALA:CA	7	0.69
(2,479)	1:90:D:ALA:CA	1:90:E:ALA:CA	8	0.69
(2,479)	1:90:B:ALA:CA	1:90:C:ALA:CA	10	0.69
(2,478)	1:90:C:ALA:C	1:90:D:ALA:C	3	0.69
(2,478)	1:90:A:ALA:C	1:90:B:ALA:C	5	0.69
(2,478)	1:90:D:ALA:C	1:90:E:ALA:C	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,478)	1:90:C:ALA:C	1:90:D:ALA:C	8	0.69
(2,478)	1:90:D:ALA:C	1:90:E:ALA:C	10	0.69
(2,477)	1:90:A:ALA:N	1:90:B:ALA:N	2	0.69
(2,477)	1:90:C:ALA:N	1:90:D:ALA:N	3	0.69
(2,477)	1:90:B:ALA:N	1:90:C:ALA:N	5	0.69
(2,477)	1:90:D:ALA:N	1:90:E:ALA:N	7	0.69
(2,477)	1:90:C:ALA:N	1:90:D:ALA:N	10	0.69
(2,476)	1:90:D:ALA:CA	1:90:E:ALA:CA	3	0.69
(2,476)	1:90:B:ALA:CA	1:90:C:ALA:CA	5	0.69
(2,476)	1:90:D:ALA:CA	1:90:E:ALA:CA	7	0.69
(2,476)	1:90:D:ALA:CA	1:90:E:ALA:CA	8	0.69
(2,476)	1:90:B:ALA:CA	1:90:C:ALA:CA	10	0.69
(2,475)	1:90:C:ALA:C	1:90:D:ALA:C	3	0.69
(2,475)	1:90:A:ALA:C	1:90:B:ALA:C	5	0.69
(2,475)	1:90:D:ALA:C	1:90:E:ALA:C	7	0.69
(2,475)	1:90:C:ALA:C	1:90:D:ALA:C	8	0.69
(2,475)	1:90:D:ALA:C	1:90:E:ALA:C	10	0.69
(2,474)	1:90:A:ALA:N	1:90:B:ALA:N	2	0.69
(2,474)	1:90:C:ALA:N	1:90:D:ALA:N	3	0.69
(2,474)	1:90:B:ALA:N	1:90:C:ALA:N	5	0.69
(2,474)	1:90:D:ALA:N	1:90:E:ALA:N	7	0.69
(2,474)	1:90:C:ALA:N	1:90:D:ALA:N	10	0.69
(2,473)	1:90:D:ALA:CA	1:90:E:ALA:CA	3	0.69
(2,473)	1:90:B:ALA:CA	1:90:C:ALA:CA	5	0.69
(2,473)	1:90:D:ALA:CA	1:90:E:ALA:CA	7	0.69
(2,473)	1:90:D:ALA:CA	1:90:E:ALA:CA	8	0.69
(2,473)	1:90:B:ALA:CA	1:90:C:ALA:CA	10	0.69
(2,472)	1:90:C:ALA:C	1:90:D:ALA:C	3	0.69
(2,472)	1:90:A:ALA:C	1:90:B:ALA:C	5	0.69
(2,472)	1:90:D:ALA:C	1:90:E:ALA:C	7	0.69
(2,472)	1:90:C:ALA:C	1:90:D:ALA:C	8	0.69
(2,472)	1:90:D:ALA:C	1:90:E:ALA:C	10	0.69
(2,471)	1:90:A:ALA:N	1:90:B:ALA:N	2	0.69
(2,471)	1:90:C:ALA:N	1:90:D:ALA:N	3	0.69
(2,471)	1:90:B:ALA:N	1:90:C:ALA:N	5	0.69
(2,471)	1:90:D:ALA:N	1:90:E:ALA:N	7	0.69
(2,471)	1:90:C:ALA:N	1:90:D:ALA:N	10	0.69
(2,470)	1:90:D:ALA:CA	1:90:E:ALA:CA	3	0.69
(2,470)	1:90:B:ALA:CA	1:90:C:ALA:CA	5	0.69
(2,470)	1:90:D:ALA:CA	1:90:E:ALA:CA	7	0.69
(2,470)	1:90:D:ALA:CA	1:90:E:ALA:CA	8	0.69
(2,470)	1:90:B:ALA:CA	1:90:C:ALA:CA	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,469)	1:90:C:ALA:C	1:90:D:ALA:C	3	0.69
(2,469)	1:90:A:ALA:C	1:90:B:ALA:C	5	0.69
(2,469)	1:90:D:ALA:C	1:90:E:ALA:C	7	0.69
(2,469)	1:90:C:ALA:C	1:90:D:ALA:C	8	0.69
(2,469)	1:90:D:ALA:C	1:90:E:ALA:C	10	0.69
(2,468)	1:83:C:GLU:N	1:83:D:GLU:N	2	0.69
(2,468)	1:83:B:GLU:N	1:83:C:GLU:N	3	0.69
(2,468)	1:83:B:GLU:N	1:83:C:GLU:N	5	0.69
(2,468)	1:83:D:GLU:N	1:83:E:GLU:N	7	0.69
(2,468)	1:83:C:GLU:N	1:83:D:GLU:N	10	0.69
(2,467)	1:83:B:GLU:CA	1:83:C:GLU:CA	2	0.69
(2,467)	1:83:D:GLU:CA	1:83:E:GLU:CA	5	0.69
(2,467)	1:83:D:GLU:CA	1:83:E:GLU:CA	7	0.69
(2,467)	1:83:A:GLU:CA	1:83:B:GLU:CA	10	0.69
(2,466)	1:83:C:GLU:C	1:83:D:GLU:C	3	0.69
(2,466)	1:83:A:GLU:C	1:83:B:GLU:C	5	0.69
(2,466)	1:83:D:GLU:C	1:83:E:GLU:C	7	0.69
(2,466)	1:83:D:GLU:C	1:83:E:GLU:C	8	0.69
(2,466)	1:83:B:GLU:C	1:83:C:GLU:C	10	0.69
(2,465)	1:83:C:GLU:N	1:83:D:GLU:N	2	0.69
(2,465)	1:83:B:GLU:N	1:83:C:GLU:N	3	0.69
(2,465)	1:83:B:GLU:N	1:83:C:GLU:N	5	0.69
(2,465)	1:83:D:GLU:N	1:83:E:GLU:N	7	0.69
(2,465)	1:83:C:GLU:N	1:83:D:GLU:N	10	0.69
(2,464)	1:83:B:GLU:CA	1:83:C:GLU:CA	2	0.69
(2,464)	1:83:D:GLU:CA	1:83:E:GLU:CA	5	0.69
(2,464)	1:83:D:GLU:CA	1:83:E:GLU:CA	7	0.69
(2,464)	1:83:A:GLU:CA	1:83:B:GLU:CA	10	0.69
(2,463)	1:83:C:GLU:C	1:83:D:GLU:C	3	0.69
(2,463)	1:83:A:GLU:C	1:83:B:GLU:C	5	0.69
(2,463)	1:83:D:GLU:C	1:83:E:GLU:C	7	0.69
(2,463)	1:83:D:GLU:C	1:83:E:GLU:C	8	0.69
(2,463)	1:83:B:GLU:C	1:83:C:GLU:C	10	0.69
(2,462)	1:83:C:GLU:N	1:83:D:GLU:N	2	0.69
(2,462)	1:83:B:GLU:N	1:83:C:GLU:N	3	0.69
(2,462)	1:83:B:GLU:N	1:83:C:GLU:N	5	0.69
(2,462)	1:83:D:GLU:N	1:83:E:GLU:N	7	0.69
(2,462)	1:83:C:GLU:N	1:83:D:GLU:N	10	0.69
(2,461)	1:83:B:GLU:CA	1:83:C:GLU:CA	2	0.69
(2,461)	1:83:D:GLU:CA	1:83:E:GLU:CA	5	0.69
(2,461)	1:83:D:GLU:CA	1:83:E:GLU:CA	7	0.69
(2,461)	1:83:A:GLU:CA	1:83:B:GLU:CA	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,460)	1:83:C:GLU:C	1:83:D:GLU:C	3	0.69
(2,460)	1:83:A:GLU:C	1:83:B:GLU:C	5	0.69
(2,460)	1:83:D:GLU:C	1:83:E:GLU:C	7	0.69
(2,460)	1:83:D:GLU:C	1:83:E:GLU:C	8	0.69
(2,460)	1:83:B:GLU:C	1:83:C:GLU:C	10	0.69
(2,459)	1:83:C:GLU:N	1:83:D:GLU:N	2	0.69
(2,459)	1:83:B:GLU:N	1:83:C:GLU:N	3	0.69
(2,459)	1:83:B:GLU:N	1:83:C:GLU:N	5	0.69
(2,459)	1:83:D:GLU:N	1:83:E:GLU:N	7	0.69
(2,459)	1:83:C:GLU:N	1:83:D:GLU:N	10	0.69
(2,458)	1:83:B:GLU:CA	1:83:C:GLU:CA	2	0.69
(2,458)	1:83:D:GLU:CA	1:83:E:GLU:CA	5	0.69
(2,458)	1:83:D:GLU:CA	1:83:E:GLU:CA	7	0.69
(2,458)	1:83:A:GLU:CA	1:83:B:GLU:CA	10	0.69
(2,457)	1:83:C:GLU:C	1:83:D:GLU:C	3	0.69
(2,457)	1:83:A:GLU:C	1:83:B:GLU:C	5	0.69
(2,457)	1:83:D:GLU:C	1:83:E:GLU:C	7	0.69
(2,457)	1:83:D:GLU:C	1:83:E:GLU:C	8	0.69
(2,457)	1:83:B:GLU:C	1:83:C:GLU:C	10	0.69
(2,456)	1:82:B:VAL:N	1:82:C:VAL:N	2	0.69
(2,456)	1:82:A:VAL:N	1:82:B:VAL:N	3	0.69
(2,456)	1:82:B:VAL:N	1:82:C:VAL:N	5	0.69
(2,456)	1:82:D:VAL:N	1:82:E:VAL:N	7	0.69
(2,456)	1:82:C:VAL:N	1:82:D:VAL:N	10	0.69
(2,455)	1:82:C:VAL:CA	1:82:D:VAL:CA	2	0.69
(2,455)	1:82:D:VAL:CA	1:82:E:VAL:CA	3	0.69
(2,455)	1:82:B:VAL:CA	1:82:C:VAL:CA	5	0.69
(2,455)	1:82:D:VAL:CA	1:82:E:VAL:CA	7	0.69
(2,455)	1:82:D:VAL:CA	1:82:E:VAL:CA	10	0.69
(2,454)	1:82:C:VAL:C	1:82:D:VAL:C	2	0.69
(2,454)	1:82:C:VAL:C	1:82:D:VAL:C	3	0.69
(2,454)	1:82:B:VAL:C	1:82:C:VAL:C	5	0.69
(2,454)	1:82:D:VAL:C	1:82:E:VAL:C	7	0.69
(2,454)	1:82:A:VAL:C	1:82:B:VAL:C	10	0.69
(2,453)	1:82:B:VAL:N	1:82:C:VAL:N	2	0.69
(2,453)	1:82:A:VAL:N	1:82:B:VAL:N	3	0.69
(2,453)	1:82:B:VAL:N	1:82:C:VAL:N	5	0.69
(2,453)	1:82:D:VAL:N	1:82:E:VAL:N	7	0.69
(2,453)	1:82:C:VAL:N	1:82:D:VAL:N	10	0.69
(2,452)	1:82:C:VAL:CA	1:82:D:VAL:CA	2	0.69
(2,452)	1:82:D:VAL:CA	1:82:E:VAL:CA	3	0.69
(2,452)	1:82:B:VAL:CA	1:82:C:VAL:CA	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,452)	1:82:D:VAL:CA	1:82:E:VAL:CA	7	0.69
(2,452)	1:82:D:VAL:CA	1:82:E:VAL:CA	10	0.69
(2,451)	1:82:C:VAL:C	1:82:D:VAL:C	2	0.69
(2,451)	1:82:C:VAL:C	1:82:D:VAL:C	3	0.69
(2,451)	1:82:B:VAL:C	1:82:C:VAL:C	5	0.69
(2,451)	1:82:D:VAL:C	1:82:E:VAL:C	7	0.69
(2,451)	1:82:A:VAL:C	1:82:B:VAL:C	10	0.69
(2,450)	1:82:B:VAL:N	1:82:C:VAL:N	2	0.69
(2,450)	1:82:A:VAL:N	1:82:B:VAL:N	3	0.69
(2,450)	1:82:B:VAL:N	1:82:C:VAL:N	5	0.69
(2,450)	1:82:D:VAL:N	1:82:E:VAL:N	7	0.69
(2,450)	1:82:C:VAL:N	1:82:D:VAL:N	10	0.69
(2,449)	1:82:C:VAL:CA	1:82:D:VAL:CA	2	0.69
(2,449)	1:82:D:VAL:CA	1:82:E:VAL:CA	3	0.69
(2,449)	1:82:B:VAL:CA	1:82:C:VAL:CA	5	0.69
(2,449)	1:82:D:VAL:CA	1:82:E:VAL:CA	7	0.69
(2,449)	1:82:D:VAL:CA	1:82:E:VAL:CA	10	0.69
(2,448)	1:82:C:VAL:C	1:82:D:VAL:C	2	0.69
(2,448)	1:82:C:VAL:C	1:82:D:VAL:C	3	0.69
(2,448)	1:82:B:VAL:C	1:82:C:VAL:C	5	0.69
(2,448)	1:82:D:VAL:C	1:82:E:VAL:C	7	0.69
(2,448)	1:82:A:VAL:C	1:82:B:VAL:C	10	0.69
(2,447)	1:82:B:VAL:N	1:82:C:VAL:N	2	0.69
(2,447)	1:82:A:VAL:N	1:82:B:VAL:N	3	0.69
(2,447)	1:82:B:VAL:N	1:82:C:VAL:N	5	0.69
(2,447)	1:82:D:VAL:N	1:82:E:VAL:N	7	0.69
(2,447)	1:82:C:VAL:N	1:82:D:VAL:N	10	0.69
(2,446)	1:82:C:VAL:CA	1:82:D:VAL:CA	2	0.69
(2,446)	1:82:D:VAL:CA	1:82:E:VAL:CA	3	0.69
(2,446)	1:82:B:VAL:CA	1:82:C:VAL:CA	5	0.69
(2,446)	1:82:D:VAL:CA	1:82:E:VAL:CA	7	0.69
(2,446)	1:82:D:VAL:CA	1:82:E:VAL:CA	10	0.69
(2,445)	1:82:C:VAL:C	1:82:D:VAL:C	2	0.69
(2,445)	1:82:C:VAL:C	1:82:D:VAL:C	3	0.69
(2,445)	1:82:B:VAL:C	1:82:C:VAL:C	5	0.69
(2,445)	1:82:D:VAL:C	1:82:E:VAL:C	7	0.69
(2,445)	1:82:A:VAL:C	1:82:B:VAL:C	10	0.69
(2,444)	1:81:A:THR:N	1:81:B:THR:N	2	0.69
(2,444)	1:81:A:THR:N	1:81:B:THR:N	3	0.69
(2,444)	1:81:A:THR:N	1:81:B:THR:N	5	0.69
(2,444)	1:81:D:THR:N	1:81:E:THR:N	7	0.69
(2,444)	1:81:D:THR:N	1:81:E:THR:N	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,443)	1:81:A:THR:CA	1:81:B:THR:CA	5	0.69
(2,443)	1:81:D:THR:CA	1:81:E:THR:CA	7	0.69
(2,443)	1:81:C:THR:CA	1:81:D:THR:CA	10	0.69
(2,442)	1:81:B:THR:C	1:81:C:THR:C	2	0.69
(2,442)	1:81:D:THR:C	1:81:E:THR:C	3	0.69
(2,442)	1:81:B:THR:C	1:81:C:THR:C	5	0.69
(2,442)	1:81:C:THR:C	1:81:D:THR:C	7	0.69
(2,442)	1:81:B:THR:C	1:81:C:THR:C	10	0.69
(2,441)	1:81:A:THR:N	1:81:B:THR:N	2	0.69
(2,441)	1:81:A:THR:N	1:81:B:THR:N	3	0.69
(2,441)	1:81:A:THR:N	1:81:B:THR:N	5	0.69
(2,441)	1:81:D:THR:N	1:81:E:THR:N	7	0.69
(2,441)	1:81:D:THR:N	1:81:E:THR:N	10	0.69
(2,440)	1:81:A:THR:CA	1:81:B:THR:CA	5	0.69
(2,440)	1:81:D:THR:CA	1:81:E:THR:CA	7	0.69
(2,440)	1:81:C:THR:CA	1:81:D:THR:CA	10	0.69
(2,439)	1:81:B:THR:C	1:81:C:THR:C	2	0.69
(2,439)	1:81:D:THR:C	1:81:E:THR:C	3	0.69
(2,439)	1:81:B:THR:C	1:81:C:THR:C	5	0.69
(2,439)	1:81:C:THR:C	1:81:D:THR:C	7	0.69
(2,439)	1:81:B:THR:C	1:81:C:THR:C	10	0.69
(2,438)	1:81:A:THR:N	1:81:B:THR:N	2	0.69
(2,438)	1:81:A:THR:N	1:81:B:THR:N	3	0.69
(2,438)	1:81:A:THR:N	1:81:B:THR:N	5	0.69
(2,438)	1:81:D:THR:N	1:81:E:THR:N	7	0.69
(2,438)	1:81:D:THR:N	1:81:E:THR:N	10	0.69
(2,437)	1:81:A:THR:CA	1:81:B:THR:CA	5	0.69
(2,437)	1:81:D:THR:CA	1:81:E:THR:CA	7	0.69
(2,437)	1:81:C:THR:CA	1:81:D:THR:CA	10	0.69
(2,436)	1:81:B:THR:C	1:81:C:THR:C	2	0.69
(2,436)	1:81:D:THR:C	1:81:E:THR:C	3	0.69
(2,436)	1:81:B:THR:C	1:81:C:THR:C	5	0.69
(2,436)	1:81:C:THR:C	1:81:D:THR:C	7	0.69
(2,436)	1:81:B:THR:C	1:81:C:THR:C	10	0.69
(2,435)	1:81:A:THR:N	1:81:B:THR:N	2	0.69
(2,435)	1:81:A:THR:N	1:81:B:THR:N	3	0.69
(2,435)	1:81:A:THR:N	1:81:B:THR:N	5	0.69
(2,435)	1:81:D:THR:N	1:81:E:THR:N	7	0.69
(2,435)	1:81:D:THR:N	1:81:E:THR:N	10	0.69
(2,434)	1:81:A:THR:CA	1:81:B:THR:CA	5	0.69
(2,434)	1:81:D:THR:CA	1:81:E:THR:CA	7	0.69
(2,434)	1:81:C:THR:CA	1:81:D:THR:CA	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,433)	1:81:B:THR:C	1:81:C:THR:C	2	0.69
(2,433)	1:81:D:THR:C	1:81:E:THR:C	3	0.69
(2,433)	1:81:B:THR:C	1:81:C:THR:C	5	0.69
(2,433)	1:81:C:THR:C	1:81:D:THR:C	7	0.69
(2,433)	1:81:B:THR:C	1:81:C:THR:C	10	0.69
(2,432)	1:80:C:LYS:N	1:80:D:LYS:N	2	0.69
(2,432)	1:80:A:LYS:N	1:80:B:LYS:N	3	0.69
(2,432)	1:80:A:LYS:N	1:80:B:LYS:N	5	0.69
(2,432)	1:80:D:LYS:N	1:80:E:LYS:N	7	0.69
(2,432)	1:80:C:LYS:N	1:80:D:LYS:N	8	0.69
(2,432)	1:80:A:LYS:N	1:80:B:LYS:N	10	0.69
(2,431)	1:80:A:LYS:CA	1:80:B:LYS:CA	3	0.69
(2,431)	1:80:A:LYS:CA	1:80:B:LYS:CA	5	0.69
(2,431)	1:80:D:LYS:CA	1:80:E:LYS:CA	7	0.69
(2,431)	1:80:D:LYS:CA	1:80:E:LYS:CA	8	0.69
(2,431)	1:80:A:LYS:CA	1:80:B:LYS:CA	10	0.69
(2,430)	1:80:C:LYS:C	1:80:D:LYS:C	3	0.69
(2,430)	1:80:D:LYS:C	1:80:E:LYS:C	5	0.69
(2,430)	1:80:D:LYS:C	1:80:E:LYS:C	7	0.69
(2,430)	1:80:B:LYS:C	1:80:C:LYS:C	10	0.69
(2,429)	1:80:C:LYS:N	1:80:D:LYS:N	2	0.69
(2,429)	1:80:A:LYS:N	1:80:B:LYS:N	3	0.69
(2,429)	1:80:A:LYS:N	1:80:B:LYS:N	5	0.69
(2,429)	1:80:D:LYS:N	1:80:E:LYS:N	7	0.69
(2,429)	1:80:C:LYS:N	1:80:D:LYS:N	8	0.69
(2,429)	1:80:A:LYS:N	1:80:B:LYS:N	10	0.69
(2,428)	1:80:A:LYS:CA	1:80:B:LYS:CA	3	0.69
(2,428)	1:80:A:LYS:CA	1:80:B:LYS:CA	5	0.69
(2,428)	1:80:D:LYS:CA	1:80:E:LYS:CA	7	0.69
(2,428)	1:80:D:LYS:CA	1:80:E:LYS:CA	8	0.69
(2,428)	1:80:A:LYS:CA	1:80:B:LYS:CA	10	0.69
(2,427)	1:80:C:LYS:C	1:80:D:LYS:C	3	0.69
(2,427)	1:80:D:LYS:C	1:80:E:LYS:C	5	0.69
(2,427)	1:80:D:LYS:C	1:80:E:LYS:C	7	0.69
(2,427)	1:80:B:LYS:C	1:80:C:LYS:C	10	0.69
(2,426)	1:80:C:LYS:N	1:80:D:LYS:N	2	0.69
(2,426)	1:80:A:LYS:N	1:80:B:LYS:N	3	0.69
(2,426)	1:80:A:LYS:N	1:80:B:LYS:N	5	0.69
(2,426)	1:80:D:LYS:N	1:80:E:LYS:N	7	0.69
(2,426)	1:80:C:LYS:N	1:80:D:LYS:N	8	0.69
(2,426)	1:80:A:LYS:N	1:80:B:LYS:N	10	0.69
(2,425)	1:80:A:LYS:CA	1:80:B:LYS:CA	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,425)	1:80:A:LYS:CA	1:80:B:LYS:CA	5	0.69
(2,425)	1:80:D:LYS:CA	1:80:E:LYS:CA	7	0.69
(2,425)	1:80:D:LYS:CA	1:80:E:LYS:CA	8	0.69
(2,425)	1:80:A:LYS:CA	1:80:B:LYS:CA	10	0.69
(2,424)	1:80:C:LYS:C	1:80:D:LYS:C	3	0.69
(2,424)	1:80:D:LYS:C	1:80:E:LYS:C	5	0.69
(2,424)	1:80:D:LYS:C	1:80:E:LYS:C	7	0.69
(2,424)	1:80:B:LYS:C	1:80:C:LYS:C	10	0.69
(2,423)	1:80:C:LYS:N	1:80:D:LYS:N	2	0.69
(2,423)	1:80:A:LYS:N	1:80:B:LYS:N	3	0.69
(2,423)	1:80:A:LYS:N	1:80:B:LYS:N	5	0.69
(2,423)	1:80:D:LYS:N	1:80:E:LYS:N	7	0.69
(2,423)	1:80:C:LYS:N	1:80:D:LYS:N	8	0.69
(2,423)	1:80:A:LYS:N	1:80:B:LYS:N	10	0.69
(2,422)	1:80:A:LYS:CA	1:80:B:LYS:CA	3	0.69
(2,422)	1:80:A:LYS:CA	1:80:B:LYS:CA	5	0.69
(2,422)	1:80:D:LYS:CA	1:80:E:LYS:CA	7	0.69
(2,422)	1:80:D:LYS:CA	1:80:E:LYS:CA	8	0.69
(2,422)	1:80:A:LYS:CA	1:80:B:LYS:CA	10	0.69
(2,421)	1:80:C:LYS:C	1:80:D:LYS:C	3	0.69
(2,421)	1:80:D:LYS:C	1:80:E:LYS:C	5	0.69
(2,421)	1:80:D:LYS:C	1:80:E:LYS:C	7	0.69
(2,421)	1:80:B:LYS:C	1:80:C:LYS:C	10	0.69
(2,420)	1:79:D:GLN:N	1:79:E:GLN:N	3	0.69
(2,420)	1:79:A:GLN:N	1:79:B:GLN:N	5	0.69
(2,420)	1:79:D:GLN:N	1:79:E:GLN:N	7	0.69
(2,420)	1:79:C:GLN:N	1:79:D:GLN:N	10	0.69
(2,419)	1:79:C:GLN:CA	1:79:D:GLN:CA	3	0.69
(2,419)	1:79:A:GLN:CA	1:79:B:GLN:CA	5	0.69
(2,419)	1:79:D:GLN:CA	1:79:E:GLN:CA	7	0.69
(2,419)	1:79:A:GLN:CA	1:79:B:GLN:CA	8	0.69
(2,419)	1:79:D:GLN:CA	1:79:E:GLN:CA	10	0.69
(2,418)	1:79:C:GLN:C	1:79:D:GLN:C	2	0.69
(2,418)	1:79:C:GLN:C	1:79:D:GLN:C	3	0.69
(2,418)	1:79:D:GLN:C	1:79:E:GLN:C	5	0.69
(2,418)	1:79:D:GLN:C	1:79:E:GLN:C	7	0.69
(2,418)	1:79:A:GLN:C	1:79:B:GLN:C	8	0.69
(2,418)	1:79:C:GLN:C	1:79:D:GLN:C	10	0.69
(2,417)	1:79:D:GLN:N	1:79:E:GLN:N	3	0.69
(2,417)	1:79:A:GLN:N	1:79:B:GLN:N	5	0.69
(2,417)	1:79:D:GLN:N	1:79:E:GLN:N	7	0.69
(2,417)	1:79:C:GLN:N	1:79:D:GLN:N	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:79:C:GLN:CA	1:79:D:GLN:CA	3	0.69
(2,416)	1:79:A:GLN:CA	1:79:B:GLN:CA	5	0.69
(2,416)	1:79:D:GLN:CA	1:79:E:GLN:CA	7	0.69
(2,416)	1:79:A:GLN:CA	1:79:B:GLN:CA	8	0.69
(2,416)	1:79:D:GLN:CA	1:79:E:GLN:CA	10	0.69
(2,415)	1:79:C:GLN:C	1:79:D:GLN:C	2	0.69
(2,415)	1:79:C:GLN:C	1:79:D:GLN:C	3	0.69
(2,415)	1:79:D:GLN:C	1:79:E:GLN:C	5	0.69
(2,415)	1:79:D:GLN:C	1:79:E:GLN:C	7	0.69
(2,415)	1:79:A:GLN:C	1:79:B:GLN:C	8	0.69
(2,415)	1:79:C:GLN:C	1:79:D:GLN:C	10	0.69
(2,414)	1:79:D:GLN:N	1:79:E:GLN:N	3	0.69
(2,414)	1:79:A:GLN:N	1:79:B:GLN:N	5	0.69
(2,414)	1:79:D:GLN:N	1:79:E:GLN:N	7	0.69
(2,414)	1:79:C:GLN:N	1:79:D:GLN:N	10	0.69
(2,413)	1:79:C:GLN:CA	1:79:D:GLN:CA	3	0.69
(2,413)	1:79:A:GLN:CA	1:79:B:GLN:CA	5	0.69
(2,413)	1:79:D:GLN:CA	1:79:E:GLN:CA	7	0.69
(2,413)	1:79:A:GLN:CA	1:79:B:GLN:CA	8	0.69
(2,413)	1:79:D:GLN:CA	1:79:E:GLN:CA	10	0.69
(2,412)	1:79:C:GLN:C	1:79:D:GLN:C	2	0.69
(2,412)	1:79:C:GLN:C	1:79:D:GLN:C	3	0.69
(2,412)	1:79:D:GLN:C	1:79:E:GLN:C	5	0.69
(2,412)	1:79:D:GLN:C	1:79:E:GLN:C	7	0.69
(2,412)	1:79:A:GLN:C	1:79:B:GLN:C	8	0.69
(2,412)	1:79:C:GLN:C	1:79:D:GLN:C	10	0.69
(2,411)	1:79:D:GLN:N	1:79:E:GLN:N	3	0.69
(2,411)	1:79:A:GLN:N	1:79:B:GLN:N	5	0.69
(2,411)	1:79:D:GLN:N	1:79:E:GLN:N	7	0.69
(2,411)	1:79:C:GLN:N	1:79:D:GLN:N	10	0.69
(2,410)	1:79:C:GLN:CA	1:79:D:GLN:CA	3	0.69
(2,410)	1:79:A:GLN:CA	1:79:B:GLN:CA	5	0.69
(2,410)	1:79:D:GLN:CA	1:79:E:GLN:CA	7	0.69
(2,410)	1:79:A:GLN:CA	1:79:B:GLN:CA	8	0.69
(2,410)	1:79:D:GLN:CA	1:79:E:GLN:CA	10	0.69
(2,409)	1:79:C:GLN:C	1:79:D:GLN:C	2	0.69
(2,409)	1:79:C:GLN:C	1:79:D:GLN:C	3	0.69
(2,409)	1:79:D:GLN:C	1:79:E:GLN:C	5	0.69
(2,409)	1:79:D:GLN:C	1:79:E:GLN:C	7	0.69
(2,409)	1:79:A:GLN:C	1:79:B:GLN:C	8	0.69
(2,409)	1:79:C:GLN:C	1:79:D:GLN:C	10	0.69
(2,408)	1:78:B:ALA:N	1:78:C:ALA:N	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,408)	1:78:B:ALA:N	1:78:C:ALA:N	3	0.69
(2,408)	1:78:D:ALA:N	1:78:E:ALA:N	5	0.69
(2,408)	1:78:D:ALA:N	1:78:E:ALA:N	7	0.69
(2,408)	1:78:D:ALA:N	1:78:E:ALA:N	10	0.69
(2,407)	1:78:D:ALA:CA	1:78:E:ALA:CA	3	0.69
(2,407)	1:78:A:ALA:CA	1:78:B:ALA:CA	5	0.69
(2,407)	1:78:D:ALA:CA	1:78:E:ALA:CA	7	0.69
(2,407)	1:78:C:ALA:CA	1:78:D:ALA:CA	8	0.69
(2,407)	1:78:A:ALA:CA	1:78:B:ALA:CA	10	0.69
(2,406)	1:78:D:ALA:C	1:78:E:ALA:C	3	0.69
(2,406)	1:78:A:ALA:C	1:78:B:ALA:C	5	0.69
(2,406)	1:78:D:ALA:C	1:78:E:ALA:C	7	0.69
(2,406)	1:78:D:ALA:C	1:78:E:ALA:C	8	0.69
(2,406)	1:78:A:ALA:C	1:78:B:ALA:C	10	0.69
(2,405)	1:78:B:ALA:N	1:78:C:ALA:N	2	0.69
(2,405)	1:78:B:ALA:N	1:78:C:ALA:N	3	0.69
(2,405)	1:78:D:ALA:N	1:78:E:ALA:N	5	0.69
(2,405)	1:78:D:ALA:N	1:78:E:ALA:N	7	0.69
(2,405)	1:78:D:ALA:N	1:78:E:ALA:N	10	0.69
(2,404)	1:78:D:ALA:CA	1:78:E:ALA:CA	3	0.69
(2,404)	1:78:A:ALA:CA	1:78:B:ALA:CA	5	0.69
(2,404)	1:78:D:ALA:CA	1:78:E:ALA:CA	7	0.69
(2,404)	1:78:C:ALA:CA	1:78:D:ALA:CA	8	0.69
(2,404)	1:78:A:ALA:CA	1:78:B:ALA:CA	10	0.69
(2,403)	1:78:D:ALA:C	1:78:E:ALA:C	3	0.69
(2,403)	1:78:A:ALA:C	1:78:B:ALA:C	5	0.69
(2,403)	1:78:D:ALA:C	1:78:E:ALA:C	7	0.69
(2,403)	1:78:D:ALA:C	1:78:E:ALA:C	8	0.69
(2,403)	1:78:A:ALA:C	1:78:B:ALA:C	10	0.69
(2,402)	1:78:B:ALA:N	1:78:C:ALA:N	2	0.69
(2,402)	1:78:B:ALA:N	1:78:C:ALA:N	3	0.69
(2,402)	1:78:D:ALA:N	1:78:E:ALA:N	5	0.69
(2,402)	1:78:D:ALA:N	1:78:E:ALA:N	7	0.69
(2,402)	1:78:D:ALA:N	1:78:E:ALA:N	10	0.69
(2,401)	1:78:D:ALA:CA	1:78:E:ALA:CA	3	0.69
(2,401)	1:78:A:ALA:CA	1:78:B:ALA:CA	5	0.69
(2,401)	1:78:D:ALA:CA	1:78:E:ALA:CA	7	0.69
(2,401)	1:78:C:ALA:CA	1:78:D:ALA:CA	8	0.69
(2,401)	1:78:A:ALA:CA	1:78:B:ALA:CA	10	0.69
(2,400)	1:78:D:ALA:C	1:78:E:ALA:C	3	0.69
(2,400)	1:78:A:ALA:C	1:78:B:ALA:C	5	0.69
(2,400)	1:78:D:ALA:C	1:78:E:ALA:C	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,400)	1:78:D:ALA:C	1:78:E:ALA:C	8	0.69
(2,400)	1:78:A:ALA:C	1:78:B:ALA:C	10	0.69
(2,399)	1:78:B:ALA:N	1:78:C:ALA:N	2	0.69
(2,399)	1:78:B:ALA:N	1:78:C:ALA:N	3	0.69
(2,399)	1:78:D:ALA:N	1:78:E:ALA:N	5	0.69
(2,399)	1:78:D:ALA:N	1:78:E:ALA:N	7	0.69
(2,399)	1:78:D:ALA:N	1:78:E:ALA:N	10	0.69
(2,398)	1:78:D:ALA:CA	1:78:E:ALA:CA	3	0.69
(2,398)	1:78:A:ALA:CA	1:78:B:ALA:CA	5	0.69
(2,398)	1:78:D:ALA:CA	1:78:E:ALA:CA	7	0.69
(2,398)	1:78:C:ALA:CA	1:78:D:ALA:CA	8	0.69
(2,398)	1:78:A:ALA:CA	1:78:B:ALA:CA	10	0.69
(2,397)	1:78:D:ALA:C	1:78:E:ALA:C	3	0.69
(2,397)	1:78:A:ALA:C	1:78:B:ALA:C	5	0.69
(2,397)	1:78:D:ALA:C	1:78:E:ALA:C	7	0.69
(2,397)	1:78:D:ALA:C	1:78:E:ALA:C	8	0.69
(2,397)	1:78:A:ALA:C	1:78:B:ALA:C	10	0.69
(2,396)	1:77:D:VAL:N	1:77:E:VAL:N	5	0.69
(2,396)	1:77:D:VAL:N	1:77:E:VAL:N	7	0.69
(2,396)	1:77:C:VAL:N	1:77:D:VAL:N	8	0.69
(2,396)	1:77:A:VAL:N	1:77:B:VAL:N	10	0.69
(2,395)	1:77:C:VAL:CA	1:77:D:VAL:CA	2	0.69
(2,395)	1:77:A:VAL:CA	1:77:B:VAL:CA	3	0.69
(2,395)	1:77:A:VAL:CA	1:77:B:VAL:CA	5	0.69
(2,395)	1:77:D:VAL:CA	1:77:E:VAL:CA	7	0.69
(2,395)	1:77:D:VAL:CA	1:77:E:VAL:CA	8	0.69
(2,395)	1:77:A:VAL:CA	1:77:B:VAL:CA	10	0.69
(2,394)	1:77:C:VAL:C	1:77:D:VAL:C	2	0.69
(2,394)	1:77:D:VAL:C	1:77:E:VAL:C	3	0.69
(2,394)	1:77:A:VAL:C	1:77:B:VAL:C	5	0.69
(2,394)	1:77:A:VAL:C	1:77:B:VAL:C	7	0.69
(2,394)	1:77:A:VAL:C	1:77:B:VAL:C	8	0.69
(2,394)	1:77:A:VAL:C	1:77:B:VAL:C	10	0.69
(2,393)	1:77:D:VAL:N	1:77:E:VAL:N	5	0.69
(2,393)	1:77:D:VAL:N	1:77:E:VAL:N	7	0.69
(2,393)	1:77:C:VAL:N	1:77:D:VAL:N	8	0.69
(2,393)	1:77:A:VAL:N	1:77:B:VAL:N	10	0.69
(2,392)	1:77:C:VAL:CA	1:77:D:VAL:CA	2	0.69
(2,392)	1:77:A:VAL:CA	1:77:B:VAL:CA	3	0.69
(2,392)	1:77:A:VAL:CA	1:77:B:VAL:CA	5	0.69
(2,392)	1:77:D:VAL:CA	1:77:E:VAL:CA	7	0.69
(2,392)	1:77:D:VAL:CA	1:77:E:VAL:CA	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,392)	1:77:A:VAL:CA	1:77:B:VAL:CA	10	0.69
(2,391)	1:77:C:VAL:C	1:77:D:VAL:C	2	0.69
(2,391)	1:77:D:VAL:C	1:77:E:VAL:C	3	0.69
(2,391)	1:77:A:VAL:C	1:77:B:VAL:C	5	0.69
(2,391)	1:77:A:VAL:C	1:77:B:VAL:C	7	0.69
(2,391)	1:77:A:VAL:C	1:77:B:VAL:C	8	0.69
(2,391)	1:77:A:VAL:C	1:77:B:VAL:C	10	0.69
(2,390)	1:77:D:VAL:N	1:77:E:VAL:N	5	0.69
(2,390)	1:77:D:VAL:N	1:77:E:VAL:N	7	0.69
(2,390)	1:77:C:VAL:N	1:77:D:VAL:N	8	0.69
(2,390)	1:77:A:VAL:N	1:77:B:VAL:N	10	0.69
(2,389)	1:77:C:VAL:CA	1:77:D:VAL:CA	2	0.69
(2,389)	1:77:A:VAL:CA	1:77:B:VAL:CA	3	0.69
(2,389)	1:77:A:VAL:CA	1:77:B:VAL:CA	5	0.69
(2,389)	1:77:D:VAL:CA	1:77:E:VAL:CA	7	0.69
(2,389)	1:77:D:VAL:CA	1:77:E:VAL:CA	8	0.69
(2,389)	1:77:A:VAL:CA	1:77:B:VAL:CA	10	0.69
(2,388)	1:77:C:VAL:C	1:77:D:VAL:C	2	0.69
(2,388)	1:77:D:VAL:C	1:77:E:VAL:C	3	0.69
(2,388)	1:77:A:VAL:C	1:77:B:VAL:C	5	0.69
(2,388)	1:77:A:VAL:C	1:77:B:VAL:C	7	0.69
(2,388)	1:77:A:VAL:C	1:77:B:VAL:C	8	0.69
(2,388)	1:77:A:VAL:C	1:77:B:VAL:C	10	0.69
(2,387)	1:77:D:VAL:N	1:77:E:VAL:N	5	0.69
(2,387)	1:77:D:VAL:N	1:77:E:VAL:N	7	0.69
(2,387)	1:77:C:VAL:N	1:77:D:VAL:N	8	0.69
(2,387)	1:77:A:VAL:N	1:77:B:VAL:N	10	0.69
(2,386)	1:77:C:VAL:CA	1:77:D:VAL:CA	2	0.69
(2,386)	1:77:A:VAL:CA	1:77:B:VAL:CA	3	0.69
(2,386)	1:77:A:VAL:CA	1:77:B:VAL:CA	5	0.69
(2,386)	1:77:D:VAL:CA	1:77:E:VAL:CA	7	0.69
(2,386)	1:77:D:VAL:CA	1:77:E:VAL:CA	8	0.69
(2,386)	1:77:A:VAL:CA	1:77:B:VAL:CA	10	0.69
(2,385)	1:77:C:VAL:C	1:77:D:VAL:C	2	0.69
(2,385)	1:77:D:VAL:C	1:77:E:VAL:C	3	0.69
(2,385)	1:77:A:VAL:C	1:77:B:VAL:C	5	0.69
(2,385)	1:77:A:VAL:C	1:77:B:VAL:C	7	0.69
(2,385)	1:77:A:VAL:C	1:77:B:VAL:C	8	0.69
(2,385)	1:77:A:VAL:C	1:77:B:VAL:C	10	0.69
(2,384)	1:76:B:ALA:N	1:76:C:ALA:N	2	0.69
(2,384)	1:76:A:ALA:N	1:76:B:ALA:N	3	0.69
(2,384)	1:76:A:ALA:N	1:76:B:ALA:N	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,384)	1:76:D:ALA:N	1:76:E:ALA:N	7	0.69
(2,384)	1:76:C:ALA:N	1:76:D:ALA:N	8	0.69
(2,384)	1:76:A:ALA:N	1:76:B:ALA:N	10	0.69
(2,383)	1:76:A:ALA:CA	1:76:B:ALA:CA	3	0.69
(2,383)	1:76:B:ALA:CA	1:76:C:ALA:CA	5	0.69
(2,383)	1:76:C:ALA:CA	1:76:D:ALA:CA	7	0.69
(2,383)	1:76:A:ALA:CA	1:76:B:ALA:CA	10	0.69
(2,382)	1:76:B:ALA:C	1:76:C:ALA:C	3	0.69
(2,382)	1:76:B:ALA:C	1:76:C:ALA:C	5	0.69
(2,382)	1:76:D:ALA:C	1:76:E:ALA:C	7	0.69
(2,382)	1:76:B:ALA:C	1:76:C:ALA:C	8	0.69
(2,382)	1:76:C:ALA:C	1:76:D:ALA:C	10	0.69
(2,381)	1:76:B:ALA:N	1:76:C:ALA:N	2	0.69
(2,381)	1:76:A:ALA:N	1:76:B:ALA:N	3	0.69
(2,381)	1:76:A:ALA:N	1:76:B:ALA:N	5	0.69
(2,381)	1:76:D:ALA:N	1:76:E:ALA:N	7	0.69
(2,381)	1:76:C:ALA:N	1:76:D:ALA:N	8	0.69
(2,381)	1:76:A:ALA:N	1:76:B:ALA:N	10	0.69
(2,380)	1:76:A:ALA:CA	1:76:B:ALA:CA	3	0.69
(2,380)	1:76:B:ALA:CA	1:76:C:ALA:CA	5	0.69
(2,380)	1:76:C:ALA:CA	1:76:D:ALA:CA	7	0.69
(2,380)	1:76:A:ALA:CA	1:76:B:ALA:CA	10	0.69
(2,379)	1:76:B:ALA:C	1:76:C:ALA:C	3	0.69
(2,379)	1:76:B:ALA:C	1:76:C:ALA:C	5	0.69
(2,379)	1:76:D:ALA:C	1:76:E:ALA:C	7	0.69
(2,379)	1:76:B:ALA:C	1:76:C:ALA:C	8	0.69
(2,379)	1:76:C:ALA:C	1:76:D:ALA:C	10	0.69
(2,378)	1:76:B:ALA:N	1:76:C:ALA:N	2	0.69
(2,378)	1:76:A:ALA:N	1:76:B:ALA:N	3	0.69
(2,378)	1:76:A:ALA:N	1:76:B:ALA:N	5	0.69
(2,378)	1:76:D:ALA:N	1:76:E:ALA:N	7	0.69
(2,378)	1:76:C:ALA:N	1:76:D:ALA:N	8	0.69
(2,378)	1:76:A:ALA:N	1:76:B:ALA:N	10	0.69
(2,377)	1:76:A:ALA:CA	1:76:B:ALA:CA	3	0.69
(2,377)	1:76:B:ALA:CA	1:76:C:ALA:CA	5	0.69
(2,377)	1:76:C:ALA:CA	1:76:D:ALA:CA	7	0.69
(2,377)	1:76:A:ALA:CA	1:76:B:ALA:CA	10	0.69
(2,376)	1:76:B:ALA:C	1:76:C:ALA:C	3	0.69
(2,376)	1:76:B:ALA:C	1:76:C:ALA:C	5	0.69
(2,376)	1:76:D:ALA:C	1:76:E:ALA:C	7	0.69
(2,376)	1:76:B:ALA:C	1:76:C:ALA:C	8	0.69
(2,376)	1:76:C:ALA:C	1:76:D:ALA:C	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,375)	1:76:B:ALA:N	1:76:C:ALA:N	2	0.69
(2,375)	1:76:A:ALA:N	1:76:B:ALA:N	3	0.69
(2,375)	1:76:A:ALA:N	1:76:B:ALA:N	5	0.69
(2,375)	1:76:D:ALA:N	1:76:E:ALA:N	7	0.69
(2,375)	1:76:C:ALA:N	1:76:D:ALA:N	8	0.69
(2,375)	1:76:A:ALA:N	1:76:B:ALA:N	10	0.69
(2,374)	1:76:A:ALA:CA	1:76:B:ALA:CA	3	0.69
(2,374)	1:76:B:ALA:CA	1:76:C:ALA:CA	5	0.69
(2,374)	1:76:C:ALA:CA	1:76:D:ALA:CA	7	0.69
(2,374)	1:76:A:ALA:CA	1:76:B:ALA:CA	10	0.69
(2,373)	1:76:B:ALA:C	1:76:C:ALA:C	3	0.69
(2,373)	1:76:B:ALA:C	1:76:C:ALA:C	5	0.69
(2,373)	1:76:D:ALA:C	1:76:E:ALA:C	7	0.69
(2,373)	1:76:B:ALA:C	1:76:C:ALA:C	8	0.69
(2,373)	1:76:C:ALA:C	1:76:D:ALA:C	10	0.69
(2,372)	1:75:D:THR:N	1:75:E:THR:N	3	0.69
(2,372)	1:75:B:THR:N	1:75:C:THR:N	5	0.69
(2,372)	1:75:B:THR:N	1:75:C:THR:N	7	0.69
(2,372)	1:75:D:THR:N	1:75:E:THR:N	10	0.69
(2,371)	1:75:A:THR:CA	1:75:B:THR:CA	5	0.69
(2,371)	1:75:D:THR:CA	1:75:E:THR:CA	7	0.69
(2,371)	1:75:D:THR:CA	1:75:E:THR:CA	10	0.69
(2,370)	1:75:C:THR:C	1:75:D:THR:C	2	0.69
(2,370)	1:75:A:THR:C	1:75:B:THR:C	5	0.69
(2,370)	1:75:D:THR:C	1:75:E:THR:C	7	0.69
(2,370)	1:75:C:THR:C	1:75:D:THR:C	10	0.69
(2,369)	1:75:D:THR:N	1:75:E:THR:N	3	0.69
(2,369)	1:75:B:THR:N	1:75:C:THR:N	5	0.69
(2,369)	1:75:B:THR:N	1:75:C:THR:N	7	0.69
(2,369)	1:75:D:THR:N	1:75:E:THR:N	10	0.69
(2,368)	1:75:A:THR:CA	1:75:B:THR:CA	5	0.69
(2,368)	1:75:D:THR:CA	1:75:E:THR:CA	7	0.69
(2,368)	1:75:D:THR:CA	1:75:E:THR:CA	10	0.69
(2,367)	1:75:C:THR:C	1:75:D:THR:C	2	0.69
(2,367)	1:75:A:THR:C	1:75:B:THR:C	5	0.69
(2,367)	1:75:D:THR:C	1:75:E:THR:C	7	0.69
(2,367)	1:75:C:THR:C	1:75:D:THR:C	10	0.69
(2,366)	1:75:D:THR:N	1:75:E:THR:N	3	0.69
(2,366)	1:75:B:THR:N	1:75:C:THR:N	5	0.69
(2,366)	1:75:B:THR:N	1:75:C:THR:N	7	0.69
(2,366)	1:75:D:THR:N	1:75:E:THR:N	10	0.69
(2,365)	1:75:A:THR:CA	1:75:B:THR:CA	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,365)	1:75:D:THR:CA	1:75:E:THR:CA	7	0.69
(2,365)	1:75:D:THR:CA	1:75:E:THR:CA	10	0.69
(2,364)	1:75:C:THR:C	1:75:D:THR:C	2	0.69
(2,364)	1:75:A:THR:C	1:75:B:THR:C	5	0.69
(2,364)	1:75:D:THR:C	1:75:E:THR:C	7	0.69
(2,364)	1:75:C:THR:C	1:75:D:THR:C	10	0.69
(2,363)	1:75:D:THR:N	1:75:E:THR:N	3	0.69
(2,363)	1:75:B:THR:N	1:75:C:THR:N	5	0.69
(2,363)	1:75:B:THR:N	1:75:C:THR:N	7	0.69
(2,363)	1:75:D:THR:N	1:75:E:THR:N	10	0.69
(2,362)	1:75:A:THR:CA	1:75:B:THR:CA	5	0.69
(2,362)	1:75:D:THR:CA	1:75:E:THR:CA	7	0.69
(2,362)	1:75:D:THR:CA	1:75:E:THR:CA	10	0.69
(2,361)	1:75:C:THR:C	1:75:D:THR:C	2	0.69
(2,361)	1:75:A:THR:C	1:75:B:THR:C	5	0.69
(2,361)	1:75:D:THR:C	1:75:E:THR:C	7	0.69
(2,361)	1:75:C:THR:C	1:75:D:THR:C	10	0.69
(2,360)	1:74:B:VAL:N	1:74:C:VAL:N	3	0.69
(2,360)	1:74:B:VAL:N	1:74:C:VAL:N	5	0.69
(2,360)	1:74:D:VAL:N	1:74:E:VAL:N	7	0.69
(2,360)	1:74:C:VAL:N	1:74:D:VAL:N	8	0.69
(2,360)	1:74:A:VAL:N	1:74:B:VAL:N	10	0.69
(2,359)	1:74:C:VAL:CA	1:74:D:VAL:CA	2	0.69
(2,359)	1:74:C:VAL:CA	1:74:D:VAL:CA	3	0.69
(2,359)	1:74:A:VAL:CA	1:74:B:VAL:CA	5	0.69
(2,359)	1:74:D:VAL:CA	1:74:E:VAL:CA	7	0.69
(2,359)	1:74:C:VAL:CA	1:74:D:VAL:CA	10	0.69
(2,358)	1:74:D:VAL:C	1:74:E:VAL:C	2	0.69
(2,358)	1:74:D:VAL:C	1:74:E:VAL:C	3	0.69
(2,358)	1:74:B:VAL:C	1:74:C:VAL:C	5	0.69
(2,358)	1:74:A:VAL:C	1:74:B:VAL:C	7	0.69
(2,358)	1:74:C:VAL:C	1:74:D:VAL:C	8	0.69
(2,358)	1:74:C:VAL:C	1:74:D:VAL:C	10	0.69
(2,357)	1:74:B:VAL:N	1:74:C:VAL:N	3	0.69
(2,357)	1:74:B:VAL:N	1:74:C:VAL:N	5	0.69
(2,357)	1:74:D:VAL:N	1:74:E:VAL:N	7	0.69
(2,357)	1:74:C:VAL:N	1:74:D:VAL:N	8	0.69
(2,357)	1:74:A:VAL:N	1:74:B:VAL:N	10	0.69
(2,356)	1:74:C:VAL:CA	1:74:D:VAL:CA	2	0.69
(2,356)	1:74:C:VAL:CA	1:74:D:VAL:CA	3	0.69
(2,356)	1:74:A:VAL:CA	1:74:B:VAL:CA	5	0.69
(2,356)	1:74:D:VAL:CA	1:74:E:VAL:CA	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,356)	1:74:C:VAL:CA	1:74:D:VAL:CA	10	0.69
(2,355)	1:74:D:VAL:C	1:74:E:VAL:C	2	0.69
(2,355)	1:74:D:VAL:C	1:74:E:VAL:C	3	0.69
(2,355)	1:74:B:VAL:C	1:74:C:VAL:C	5	0.69
(2,355)	1:74:A:VAL:C	1:74:B:VAL:C	7	0.69
(2,355)	1:74:C:VAL:C	1:74:D:VAL:C	8	0.69
(2,355)	1:74:C:VAL:C	1:74:D:VAL:C	10	0.69
(2,354)	1:74:B:VAL:N	1:74:C:VAL:N	3	0.69
(2,354)	1:74:B:VAL:N	1:74:C:VAL:N	5	0.69
(2,354)	1:74:D:VAL:N	1:74:E:VAL:N	7	0.69
(2,354)	1:74:C:VAL:N	1:74:D:VAL:N	8	0.69
(2,354)	1:74:A:VAL:N	1:74:B:VAL:N	10	0.69
(2,353)	1:74:C:VAL:CA	1:74:D:VAL:CA	2	0.69
(2,353)	1:74:C:VAL:CA	1:74:D:VAL:CA	3	0.69
(2,353)	1:74:A:VAL:CA	1:74:B:VAL:CA	5	0.69
(2,353)	1:74:D:VAL:CA	1:74:E:VAL:CA	7	0.69
(2,353)	1:74:C:VAL:CA	1:74:D:VAL:CA	10	0.69
(2,352)	1:74:D:VAL:C	1:74:E:VAL:C	2	0.69
(2,352)	1:74:D:VAL:C	1:74:E:VAL:C	3	0.69
(2,352)	1:74:B:VAL:C	1:74:C:VAL:C	5	0.69
(2,352)	1:74:A:VAL:C	1:74:B:VAL:C	7	0.69
(2,352)	1:74:C:VAL:C	1:74:D:VAL:C	8	0.69
(2,352)	1:74:C:VAL:C	1:74:D:VAL:C	10	0.69
(2,351)	1:74:B:VAL:N	1:74:C:VAL:N	3	0.69
(2,351)	1:74:B:VAL:N	1:74:C:VAL:N	5	0.69
(2,351)	1:74:D:VAL:N	1:74:E:VAL:N	7	0.69
(2,351)	1:74:C:VAL:N	1:74:D:VAL:N	8	0.69
(2,351)	1:74:A:VAL:N	1:74:B:VAL:N	10	0.69
(2,350)	1:74:C:VAL:CA	1:74:D:VAL:CA	2	0.69
(2,350)	1:74:C:VAL:CA	1:74:D:VAL:CA	3	0.69
(2,350)	1:74:A:VAL:CA	1:74:B:VAL:CA	5	0.69
(2,350)	1:74:D:VAL:CA	1:74:E:VAL:CA	7	0.69
(2,350)	1:74:C:VAL:CA	1:74:D:VAL:CA	10	0.69
(2,349)	1:74:D:VAL:C	1:74:E:VAL:C	2	0.69
(2,349)	1:74:D:VAL:C	1:74:E:VAL:C	3	0.69
(2,349)	1:74:B:VAL:C	1:74:C:VAL:C	5	0.69
(2,349)	1:74:A:VAL:C	1:74:B:VAL:C	7	0.69
(2,349)	1:74:C:VAL:C	1:74:D:VAL:C	8	0.69
(2,349)	1:74:C:VAL:C	1:74:D:VAL:C	10	0.69
(2,348)	1:72:D:THR:N	1:72:E:THR:N	3	0.69
(2,348)	1:72:A:THR:N	1:72:B:THR:N	5	0.69
(2,348)	1:72:D:THR:N	1:72:E:THR:N	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,348)	1:72:A:THR:N	1:72:B:THR:N	10	0.69
(2,347)	1:72:A:THR:CA	1:72:B:THR:CA	3	0.69
(2,347)	1:72:B:THR:CA	1:72:C:THR:CA	5	0.69
(2,347)	1:72:D:THR:CA	1:72:E:THR:CA	7	0.69
(2,347)	1:72:A:THR:CA	1:72:B:THR:CA	10	0.69
(2,346)	1:72:D:THR:C	1:72:E:THR:C	3	0.69
(2,346)	1:72:A:THR:C	1:72:B:THR:C	5	0.69
(2,346)	1:72:D:THR:C	1:72:E:THR:C	7	0.69
(2,346)	1:72:C:THR:C	1:72:D:THR:C	8	0.69
(2,346)	1:72:C:THR:C	1:72:D:THR:C	10	0.69
(2,345)	1:72:D:THR:N	1:72:E:THR:N	3	0.69
(2,345)	1:72:A:THR:N	1:72:B:THR:N	5	0.69
(2,345)	1:72:D:THR:N	1:72:E:THR:N	7	0.69
(2,345)	1:72:A:THR:N	1:72:B:THR:N	10	0.69
(2,344)	1:72:A:THR:CA	1:72:B:THR:CA	3	0.69
(2,344)	1:72:B:THR:CA	1:72:C:THR:CA	5	0.69
(2,344)	1:72:D:THR:CA	1:72:E:THR:CA	7	0.69
(2,344)	1:72:A:THR:CA	1:72:B:THR:CA	10	0.69
(2,343)	1:72:D:THR:C	1:72:E:THR:C	3	0.69
(2,343)	1:72:A:THR:C	1:72:B:THR:C	5	0.69
(2,343)	1:72:D:THR:C	1:72:E:THR:C	7	0.69
(2,343)	1:72:C:THR:C	1:72:D:THR:C	8	0.69
(2,343)	1:72:C:THR:C	1:72:D:THR:C	10	0.69
(2,342)	1:72:D:THR:N	1:72:E:THR:N	3	0.69
(2,342)	1:72:A:THR:N	1:72:B:THR:N	5	0.69
(2,342)	1:72:D:THR:N	1:72:E:THR:N	7	0.69
(2,342)	1:72:A:THR:N	1:72:B:THR:N	10	0.69
(2,341)	1:72:A:THR:CA	1:72:B:THR:CA	3	0.69
(2,341)	1:72:B:THR:CA	1:72:C:THR:CA	5	0.69
(2,341)	1:72:D:THR:CA	1:72:E:THR:CA	7	0.69
(2,341)	1:72:A:THR:CA	1:72:B:THR:CA	10	0.69
(2,340)	1:72:D:THR:C	1:72:E:THR:C	3	0.69
(2,340)	1:72:A:THR:C	1:72:B:THR:C	5	0.69
(2,340)	1:72:D:THR:C	1:72:E:THR:C	7	0.69
(2,340)	1:72:C:THR:C	1:72:D:THR:C	8	0.69
(2,340)	1:72:C:THR:C	1:72:D:THR:C	10	0.69
(2,339)	1:72:D:THR:N	1:72:E:THR:N	3	0.69
(2,339)	1:72:A:THR:N	1:72:B:THR:N	5	0.69
(2,339)	1:72:D:THR:N	1:72:E:THR:N	7	0.69
(2,339)	1:72:A:THR:N	1:72:B:THR:N	10	0.69
(2,338)	1:72:A:THR:CA	1:72:B:THR:CA	3	0.69
(2,338)	1:72:B:THR:CA	1:72:C:THR:CA	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,338)	1:72:D:THR:CA	1:72:E:THR:CA	7	0.69
(2,338)	1:72:A:THR:CA	1:72:B:THR:CA	10	0.69
(2,337)	1:72:D:THR:C	1:72:E:THR:C	3	0.69
(2,337)	1:72:A:THR:C	1:72:B:THR:C	5	0.69
(2,337)	1:72:D:THR:C	1:72:E:THR:C	7	0.69
(2,337)	1:72:C:THR:C	1:72:D:THR:C	8	0.69
(2,337)	1:72:C:THR:C	1:72:D:THR:C	10	0.69
(2,336)	1:71:B:VAL:N	1:71:C:VAL:N	3	0.69
(2,336)	1:71:B:VAL:N	1:71:C:VAL:N	5	0.69
(2,336)	1:71:A:VAL:N	1:71:B:VAL:N	7	0.69
(2,336)	1:71:C:VAL:N	1:71:D:VAL:N	10	0.69
(2,335)	1:71:B:VAL:CA	1:71:C:VAL:CA	5	0.69
(2,335)	1:71:D:VAL:CA	1:71:E:VAL:CA	7	0.69
(2,335)	1:71:B:VAL:CA	1:71:C:VAL:CA	10	0.69
(2,334)	1:71:C:VAL:C	1:71:D:VAL:C	3	0.69
(2,334)	1:71:B:VAL:C	1:71:C:VAL:C	5	0.69
(2,334)	1:71:C:VAL:C	1:71:D:VAL:C	7	0.69
(2,334)	1:71:A:VAL:C	1:71:B:VAL:C	10	0.69
(2,333)	1:71:B:VAL:N	1:71:C:VAL:N	3	0.69
(2,333)	1:71:B:VAL:N	1:71:C:VAL:N	5	0.69
(2,333)	1:71:A:VAL:N	1:71:B:VAL:N	7	0.69
(2,333)	1:71:C:VAL:N	1:71:D:VAL:N	10	0.69
(2,332)	1:71:B:VAL:CA	1:71:C:VAL:CA	5	0.69
(2,332)	1:71:D:VAL:CA	1:71:E:VAL:CA	7	0.69
(2,332)	1:71:B:VAL:CA	1:71:C:VAL:CA	10	0.69
(2,331)	1:71:C:VAL:C	1:71:D:VAL:C	3	0.69
(2,331)	1:71:B:VAL:C	1:71:C:VAL:C	5	0.69
(2,331)	1:71:C:VAL:C	1:71:D:VAL:C	7	0.69
(2,331)	1:71:A:VAL:C	1:71:B:VAL:C	10	0.69
(2,330)	1:71:B:VAL:N	1:71:C:VAL:N	3	0.69
(2,330)	1:71:B:VAL:N	1:71:C:VAL:N	5	0.69
(2,330)	1:71:A:VAL:N	1:71:B:VAL:N	7	0.69
(2,330)	1:71:C:VAL:N	1:71:D:VAL:N	10	0.69
(2,329)	1:71:B:VAL:CA	1:71:C:VAL:CA	5	0.69
(2,329)	1:71:D:VAL:CA	1:71:E:VAL:CA	7	0.69
(2,329)	1:71:B:VAL:CA	1:71:C:VAL:CA	10	0.69
(2,328)	1:71:C:VAL:C	1:71:D:VAL:C	3	0.69
(2,328)	1:71:B:VAL:C	1:71:C:VAL:C	5	0.69
(2,328)	1:71:C:VAL:C	1:71:D:VAL:C	7	0.69
(2,328)	1:71:A:VAL:C	1:71:B:VAL:C	10	0.69
(2,327)	1:71:B:VAL:N	1:71:C:VAL:N	3	0.69
(2,327)	1:71:B:VAL:N	1:71:C:VAL:N	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,327)	1:71:A:VAL:N	1:71:B:VAL:N	7	0.69
(2,327)	1:71:C:VAL:N	1:71:D:VAL:N	10	0.69
(2,326)	1:71:B:VAL:CA	1:71:C:VAL:CA	5	0.69
(2,326)	1:71:D:VAL:CA	1:71:E:VAL:CA	7	0.69
(2,326)	1:71:B:VAL:CA	1:71:C:VAL:CA	10	0.69
(2,325)	1:71:C:VAL:C	1:71:D:VAL:C	3	0.69
(2,325)	1:71:B:VAL:C	1:71:C:VAL:C	5	0.69
(2,325)	1:71:C:VAL:C	1:71:D:VAL:C	7	0.69
(2,325)	1:71:A:VAL:C	1:71:B:VAL:C	10	0.69
(2,324)	1:70:B:VAL:N	1:70:C:VAL:N	2	0.69
(2,324)	1:70:D:VAL:N	1:70:E:VAL:N	3	0.69
(2,324)	1:70:A:VAL:N	1:70:B:VAL:N	5	0.69
(2,324)	1:70:D:VAL:N	1:70:E:VAL:N	7	0.69
(2,324)	1:70:C:VAL:N	1:70:D:VAL:N	10	0.69
(2,323)	1:70:B:VAL:CA	1:70:C:VAL:CA	2	0.69
(2,323)	1:70:A:VAL:CA	1:70:B:VAL:CA	3	0.69
(2,323)	1:70:A:VAL:CA	1:70:B:VAL:CA	5	0.69
(2,323)	1:70:D:VAL:CA	1:70:E:VAL:CA	7	0.69
(2,323)	1:70:A:VAL:CA	1:70:B:VAL:CA	10	0.69
(2,322)	1:70:B:VAL:C	1:70:C:VAL:C	3	0.69
(2,322)	1:70:D:VAL:C	1:70:E:VAL:C	5	0.69
(2,322)	1:70:D:VAL:C	1:70:E:VAL:C	7	0.69
(2,322)	1:70:B:VAL:C	1:70:C:VAL:C	8	0.69
(2,322)	1:70:A:VAL:C	1:70:B:VAL:C	10	0.69
(2,321)	1:70:B:VAL:N	1:70:C:VAL:N	2	0.69
(2,321)	1:70:D:VAL:N	1:70:E:VAL:N	3	0.69
(2,321)	1:70:A:VAL:N	1:70:B:VAL:N	5	0.69
(2,321)	1:70:D:VAL:N	1:70:E:VAL:N	7	0.69
(2,321)	1:70:C:VAL:N	1:70:D:VAL:N	10	0.69
(2,320)	1:70:B:VAL:CA	1:70:C:VAL:CA	2	0.69
(2,320)	1:70:A:VAL:CA	1:70:B:VAL:CA	3	0.69
(2,320)	1:70:A:VAL:CA	1:70:B:VAL:CA	5	0.69
(2,320)	1:70:D:VAL:CA	1:70:E:VAL:CA	7	0.69
(2,320)	1:70:A:VAL:CA	1:70:B:VAL:CA	10	0.69
(2,319)	1:70:B:VAL:C	1:70:C:VAL:C	3	0.69
(2,319)	1:70:D:VAL:C	1:70:E:VAL:C	5	0.69
(2,319)	1:70:D:VAL:C	1:70:E:VAL:C	7	0.69
(2,319)	1:70:B:VAL:C	1:70:C:VAL:C	8	0.69
(2,319)	1:70:A:VAL:C	1:70:B:VAL:C	10	0.69
(2,318)	1:70:B:VAL:N	1:70:C:VAL:N	2	0.69
(2,318)	1:70:D:VAL:N	1:70:E:VAL:N	3	0.69
(2,318)	1:70:A:VAL:N	1:70:B:VAL:N	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,318)	1:70:D:VAL:N	1:70:E:VAL:N	7	0.69
(2,318)	1:70:C:VAL:N	1:70:D:VAL:N	10	0.69
(2,317)	1:70:B:VAL:CA	1:70:C:VAL:CA	2	0.69
(2,317)	1:70:A:VAL:CA	1:70:B:VAL:CA	3	0.69
(2,317)	1:70:A:VAL:CA	1:70:B:VAL:CA	5	0.69
(2,317)	1:70:D:VAL:CA	1:70:E:VAL:CA	7	0.69
(2,317)	1:70:A:VAL:CA	1:70:B:VAL:CA	10	0.69
(2,316)	1:70:B:VAL:C	1:70:C:VAL:C	3	0.69
(2,316)	1:70:D:VAL:C	1:70:E:VAL:C	5	0.69
(2,316)	1:70:D:VAL:C	1:70:E:VAL:C	7	0.69
(2,316)	1:70:B:VAL:C	1:70:C:VAL:C	8	0.69
(2,316)	1:70:A:VAL:C	1:70:B:VAL:C	10	0.69
(2,315)	1:70:B:VAL:N	1:70:C:VAL:N	2	0.69
(2,315)	1:70:D:VAL:N	1:70:E:VAL:N	3	0.69
(2,315)	1:70:A:VAL:N	1:70:B:VAL:N	5	0.69
(2,315)	1:70:D:VAL:N	1:70:E:VAL:N	7	0.69
(2,315)	1:70:C:VAL:N	1:70:D:VAL:N	10	0.69
(2,314)	1:70:B:VAL:CA	1:70:C:VAL:CA	2	0.69
(2,314)	1:70:A:VAL:CA	1:70:B:VAL:CA	3	0.69
(2,314)	1:70:A:VAL:CA	1:70:B:VAL:CA	5	0.69
(2,314)	1:70:D:VAL:CA	1:70:E:VAL:CA	7	0.69
(2,314)	1:70:A:VAL:CA	1:70:B:VAL:CA	10	0.69
(2,313)	1:70:B:VAL:C	1:70:C:VAL:C	3	0.69
(2,313)	1:70:D:VAL:C	1:70:E:VAL:C	5	0.69
(2,313)	1:70:D:VAL:C	1:70:E:VAL:C	7	0.69
(2,313)	1:70:B:VAL:C	1:70:C:VAL:C	8	0.69
(2,313)	1:70:A:VAL:C	1:70:B:VAL:C	10	0.69
(2,312)	1:69:B:ALA:N	1:69:C:ALA:N	5	0.69
(2,312)	1:69:D:ALA:N	1:69:E:ALA:N	7	0.69
(2,312)	1:69:C:ALA:N	1:69:D:ALA:N	8	0.69
(2,312)	1:69:C:ALA:N	1:69:D:ALA:N	10	0.69
(2,311)	1:69:D:ALA:CA	1:69:E:ALA:CA	2	0.69
(2,311)	1:69:B:ALA:CA	1:69:C:ALA:CA	3	0.69
(2,311)	1:69:A:ALA:CA	1:69:B:ALA:CA	5	0.69
(2,311)	1:69:D:ALA:CA	1:69:E:ALA:CA	7	0.69
(2,311)	1:69:A:ALA:CA	1:69:B:ALA:CA	8	0.69
(2,311)	1:69:A:ALA:CA	1:69:B:ALA:CA	10	0.69
(2,310)	1:69:D:ALA:C	1:69:E:ALA:C	2	0.69
(2,310)	1:69:D:ALA:C	1:69:E:ALA:C	3	0.69
(2,310)	1:69:A:ALA:C	1:69:B:ALA:C	5	0.69
(2,310)	1:69:D:ALA:C	1:69:E:ALA:C	7	0.69
(2,310)	1:69:A:ALA:C	1:69:B:ALA:C	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,310)	1:69:D:ALA:C	1:69:E:ALA:C	10	0.69
(2,309)	1:69:B:ALA:N	1:69:C:ALA:N	5	0.69
(2,309)	1:69:D:ALA:N	1:69:E:ALA:N	7	0.69
(2,309)	1:69:C:ALA:N	1:69:D:ALA:N	8	0.69
(2,309)	1:69:C:ALA:N	1:69:D:ALA:N	10	0.69
(2,308)	1:69:D:ALA:CA	1:69:E:ALA:CA	2	0.69
(2,308)	1:69:B:ALA:CA	1:69:C:ALA:CA	3	0.69
(2,308)	1:69:A:ALA:CA	1:69:B:ALA:CA	5	0.69
(2,308)	1:69:D:ALA:CA	1:69:E:ALA:CA	7	0.69
(2,308)	1:69:A:ALA:CA	1:69:B:ALA:CA	8	0.69
(2,308)	1:69:A:ALA:CA	1:69:B:ALA:CA	10	0.69
(2,307)	1:69:D:ALA:C	1:69:E:ALA:C	2	0.69
(2,307)	1:69:D:ALA:C	1:69:E:ALA:C	3	0.69
(2,307)	1:69:A:ALA:C	1:69:B:ALA:C	5	0.69
(2,307)	1:69:D:ALA:C	1:69:E:ALA:C	7	0.69
(2,307)	1:69:A:ALA:C	1:69:B:ALA:C	8	0.69
(2,307)	1:69:D:ALA:C	1:69:E:ALA:C	10	0.69
(2,306)	1:69:B:ALA:N	1:69:C:ALA:N	5	0.69
(2,306)	1:69:D:ALA:N	1:69:E:ALA:N	7	0.69
(2,306)	1:69:C:ALA:N	1:69:D:ALA:N	8	0.69
(2,306)	1:69:C:ALA:N	1:69:D:ALA:N	10	0.69
(2,305)	1:69:D:ALA:CA	1:69:E:ALA:CA	2	0.69
(2,305)	1:69:B:ALA:CA	1:69:C:ALA:CA	3	0.69
(2,305)	1:69:A:ALA:CA	1:69:B:ALA:CA	5	0.69
(2,305)	1:69:D:ALA:CA	1:69:E:ALA:CA	7	0.69
(2,305)	1:69:A:ALA:CA	1:69:B:ALA:CA	8	0.69
(2,305)	1:69:A:ALA:CA	1:69:B:ALA:CA	10	0.69
(2,304)	1:69:D:ALA:C	1:69:E:ALA:C	2	0.69
(2,304)	1:69:D:ALA:C	1:69:E:ALA:C	3	0.69
(2,304)	1:69:A:ALA:C	1:69:B:ALA:C	5	0.69
(2,304)	1:69:D:ALA:C	1:69:E:ALA:C	7	0.69
(2,304)	1:69:A:ALA:C	1:69:B:ALA:C	8	0.69
(2,304)	1:69:D:ALA:C	1:69:E:ALA:C	10	0.69
(2,303)	1:69:B:ALA:N	1:69:C:ALA:N	5	0.69
(2,303)	1:69:D:ALA:N	1:69:E:ALA:N	7	0.69
(2,303)	1:69:C:ALA:N	1:69:D:ALA:N	8	0.69
(2,303)	1:69:C:ALA:N	1:69:D:ALA:N	10	0.69
(2,302)	1:69:D:ALA:CA	1:69:E:ALA:CA	2	0.69
(2,302)	1:69:B:ALA:CA	1:69:C:ALA:CA	3	0.69
(2,302)	1:69:A:ALA:CA	1:69:B:ALA:CA	5	0.69
(2,302)	1:69:D:ALA:CA	1:69:E:ALA:CA	7	0.69
(2,302)	1:69:A:ALA:CA	1:69:B:ALA:CA	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,302)	1:69:A:ALA:CA	1:69:B:ALA:CA	10	0.69
(2,301)	1:69:D:ALA:C	1:69:E:ALA:C	2	0.69
(2,301)	1:69:D:ALA:C	1:69:E:ALA:C	3	0.69
(2,301)	1:69:A:ALA:C	1:69:B:ALA:C	5	0.69
(2,301)	1:69:D:ALA:C	1:69:E:ALA:C	7	0.69
(2,301)	1:69:A:ALA:C	1:69:B:ALA:C	8	0.69
(2,301)	1:69:D:ALA:C	1:69:E:ALA:C	10	0.69
(2,300)	1:66:A:VAL:N	1:66:B:VAL:N	2	0.69
(2,300)	1:66:A:VAL:N	1:66:B:VAL:N	3	0.69
(2,300)	1:66:B:VAL:N	1:66:C:VAL:N	5	0.69
(2,300)	1:66:A:VAL:N	1:66:B:VAL:N	7	0.69
(2,300)	1:66:B:VAL:N	1:66:C:VAL:N	10	0.69
(2,299)	1:66:D:VAL:CA	1:66:E:VAL:CA	2	0.69
(2,299)	1:66:B:VAL:CA	1:66:C:VAL:CA	3	0.69
(2,299)	1:66:D:VAL:CA	1:66:E:VAL:CA	5	0.69
(2,299)	1:66:D:VAL:CA	1:66:E:VAL:CA	7	0.69
(2,299)	1:66:D:VAL:CA	1:66:E:VAL:CA	10	0.69
(2,298)	1:66:D:VAL:C	1:66:E:VAL:C	3	0.69
(2,298)	1:66:A:VAL:C	1:66:B:VAL:C	5	0.69
(2,298)	1:66:D:VAL:C	1:66:E:VAL:C	7	0.69
(2,298)	1:66:A:VAL:C	1:66:B:VAL:C	10	0.69
(2,297)	1:66:A:VAL:N	1:66:B:VAL:N	2	0.69
(2,297)	1:66:A:VAL:N	1:66:B:VAL:N	3	0.69
(2,297)	1:66:B:VAL:N	1:66:C:VAL:N	5	0.69
(2,297)	1:66:A:VAL:N	1:66:B:VAL:N	7	0.69
(2,297)	1:66:B:VAL:N	1:66:C:VAL:N	10	0.69
(2,296)	1:66:D:VAL:CA	1:66:E:VAL:CA	2	0.69
(2,296)	1:66:B:VAL:CA	1:66:C:VAL:CA	3	0.69
(2,296)	1:66:D:VAL:CA	1:66:E:VAL:CA	5	0.69
(2,296)	1:66:D:VAL:CA	1:66:E:VAL:CA	7	0.69
(2,296)	1:66:D:VAL:CA	1:66:E:VAL:CA	10	0.69
(2,295)	1:66:D:VAL:C	1:66:E:VAL:C	3	0.69
(2,295)	1:66:A:VAL:C	1:66:B:VAL:C	5	0.69
(2,295)	1:66:D:VAL:C	1:66:E:VAL:C	7	0.69
(2,295)	1:66:A:VAL:C	1:66:B:VAL:C	10	0.69
(2,294)	1:66:A:VAL:N	1:66:B:VAL:N	2	0.69
(2,294)	1:66:A:VAL:N	1:66:B:VAL:N	3	0.69
(2,294)	1:66:B:VAL:N	1:66:C:VAL:N	5	0.69
(2,294)	1:66:A:VAL:N	1:66:B:VAL:N	7	0.69
(2,294)	1:66:B:VAL:N	1:66:C:VAL:N	10	0.69
(2,293)	1:66:D:VAL:CA	1:66:E:VAL:CA	2	0.69
(2,293)	1:66:B:VAL:CA	1:66:C:VAL:CA	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,293)	1:66:D:VAL:CA	1:66:E:VAL:CA	5	0.69
(2,293)	1:66:D:VAL:CA	1:66:E:VAL:CA	7	0.69
(2,293)	1:66:D:VAL:CA	1:66:E:VAL:CA	10	0.69
(2,292)	1:66:D:VAL:C	1:66:E:VAL:C	3	0.69
(2,292)	1:66:A:VAL:C	1:66:B:VAL:C	5	0.69
(2,292)	1:66:D:VAL:C	1:66:E:VAL:C	7	0.69
(2,292)	1:66:A:VAL:C	1:66:B:VAL:C	10	0.69
(2,291)	1:66:A:VAL:N	1:66:B:VAL:N	2	0.69
(2,291)	1:66:A:VAL:N	1:66:B:VAL:N	3	0.69
(2,291)	1:66:B:VAL:N	1:66:C:VAL:N	5	0.69
(2,291)	1:66:A:VAL:N	1:66:B:VAL:N	7	0.69
(2,291)	1:66:B:VAL:N	1:66:C:VAL:N	10	0.69
(2,290)	1:66:D:VAL:CA	1:66:E:VAL:CA	2	0.69
(2,290)	1:66:B:VAL:CA	1:66:C:VAL:CA	3	0.69
(2,290)	1:66:D:VAL:CA	1:66:E:VAL:CA	5	0.69
(2,290)	1:66:D:VAL:CA	1:66:E:VAL:CA	7	0.69
(2,290)	1:66:D:VAL:CA	1:66:E:VAL:CA	10	0.69
(2,289)	1:66:D:VAL:C	1:66:E:VAL:C	3	0.69
(2,289)	1:66:A:VAL:C	1:66:B:VAL:C	5	0.69
(2,289)	1:66:D:VAL:C	1:66:E:VAL:C	7	0.69
(2,289)	1:66:A:VAL:C	1:66:B:VAL:C	10	0.69
(2,288)	1:65:A:ASN:N	1:65:B:ASN:N	5	0.69
(2,288)	1:65:A:ASN:N	1:65:B:ASN:N	7	0.69
(2,288)	1:65:A:ASN:N	1:65:B:ASN:N	10	0.69
(2,287)	1:65:C:ASN:CA	1:65:D:ASN:CA	2	0.69
(2,287)	1:65:B:ASN:CA	1:65:C:ASN:CA	3	0.69
(2,287)	1:65:A:ASN:CA	1:65:B:ASN:CA	5	0.69
(2,287)	1:65:C:ASN:CA	1:65:D:ASN:CA	7	0.69
(2,287)	1:65:A:ASN:CA	1:65:B:ASN:CA	8	0.69
(2,287)	1:65:B:ASN:CA	1:65:C:ASN:CA	10	0.69
(2,286)	1:65:A:ASN:C	1:65:B:ASN:C	3	0.69
(2,286)	1:65:B:ASN:C	1:65:C:ASN:C	5	0.69
(2,286)	1:65:A:ASN:C	1:65:B:ASN:C	7	0.69
(2,286)	1:65:A:ASN:C	1:65:B:ASN:C	10	0.69
(2,285)	1:65:A:ASN:N	1:65:B:ASN:N	5	0.69
(2,285)	1:65:A:ASN:N	1:65:B:ASN:N	7	0.69
(2,285)	1:65:A:ASN:N	1:65:B:ASN:N	10	0.69
(2,284)	1:65:C:ASN:CA	1:65:D:ASN:CA	2	0.69
(2,284)	1:65:B:ASN:CA	1:65:C:ASN:CA	3	0.69
(2,284)	1:65:A:ASN:CA	1:65:B:ASN:CA	5	0.69
(2,284)	1:65:C:ASN:CA	1:65:D:ASN:CA	7	0.69
(2,284)	1:65:A:ASN:CA	1:65:B:ASN:CA	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,284)	1:65:B:ASN:CA	1:65:C:ASN:CA	10	0.69
(2,283)	1:65:A:ASN:C	1:65:B:ASN:C	3	0.69
(2,283)	1:65:B:ASN:C	1:65:C:ASN:C	5	0.69
(2,283)	1:65:A:ASN:C	1:65:B:ASN:C	7	0.69
(2,283)	1:65:A:ASN:C	1:65:B:ASN:C	10	0.69
(2,282)	1:65:A:ASN:N	1:65:B:ASN:N	5	0.69
(2,282)	1:65:A:ASN:N	1:65:B:ASN:N	7	0.69
(2,282)	1:65:A:ASN:N	1:65:B:ASN:N	10	0.69
(2,281)	1:65:C:ASN:CA	1:65:D:ASN:CA	2	0.69
(2,281)	1:65:B:ASN:CA	1:65:C:ASN:CA	3	0.69
(2,281)	1:65:A:ASN:CA	1:65:B:ASN:CA	5	0.69
(2,281)	1:65:C:ASN:CA	1:65:D:ASN:CA	7	0.69
(2,281)	1:65:A:ASN:CA	1:65:B:ASN:CA	8	0.69
(2,281)	1:65:B:ASN:CA	1:65:C:ASN:CA	10	0.69
(2,280)	1:65:A:ASN:C	1:65:B:ASN:C	3	0.69
(2,280)	1:65:B:ASN:C	1:65:C:ASN:C	5	0.69
(2,280)	1:65:A:ASN:C	1:65:B:ASN:C	7	0.69
(2,280)	1:65:A:ASN:C	1:65:B:ASN:C	10	0.69
(2,279)	1:65:A:ASN:N	1:65:B:ASN:N	5	0.69
(2,279)	1:65:A:ASN:N	1:65:B:ASN:N	7	0.69
(2,279)	1:65:A:ASN:N	1:65:B:ASN:N	10	0.69
(2,278)	1:65:C:ASN:CA	1:65:D:ASN:CA	2	0.69
(2,278)	1:65:B:ASN:CA	1:65:C:ASN:CA	3	0.69
(2,278)	1:65:A:ASN:CA	1:65:B:ASN:CA	5	0.69
(2,278)	1:65:C:ASN:CA	1:65:D:ASN:CA	7	0.69
(2,278)	1:65:A:ASN:CA	1:65:B:ASN:CA	8	0.69
(2,278)	1:65:B:ASN:CA	1:65:C:ASN:CA	10	0.69
(2,277)	1:65:A:ASN:C	1:65:B:ASN:C	3	0.69
(2,277)	1:65:B:ASN:C	1:65:C:ASN:C	5	0.69
(2,277)	1:65:A:ASN:C	1:65:B:ASN:C	7	0.69
(2,277)	1:65:A:ASN:C	1:65:B:ASN:C	10	0.69
(2,276)	1:64:C:THR:N	1:64:D:THR:N	3	0.69
(2,276)	1:64:D:THR:N	1:64:E:THR:N	5	0.69
(2,276)	1:64:C:THR:N	1:64:D:THR:N	7	0.69
(2,276)	1:64:B:THR:N	1:64:C:THR:N	10	0.69
(2,275)	1:64:D:THR:CA	1:64:E:THR:CA	3	0.69
(2,275)	1:64:B:THR:CA	1:64:C:THR:CA	5	0.69
(2,275)	1:64:A:THR:CA	1:64:B:THR:CA	7	0.69
(2,275)	1:64:C:THR:CA	1:64:D:THR:CA	8	0.69
(2,275)	1:64:C:THR:CA	1:64:D:THR:CA	10	0.69
(2,274)	1:64:B:THR:C	1:64:C:THR:C	3	0.69
(2,274)	1:64:B:THR:C	1:64:C:THR:C	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,274)	1:64:B:THR:C	1:64:C:THR:C	7	0.69
(2,274)	1:64:D:THR:C	1:64:E:THR:C	8	0.69
(2,274)	1:64:A:THR:C	1:64:B:THR:C	10	0.69
(2,273)	1:64:C:THR:N	1:64:D:THR:N	3	0.69
(2,273)	1:64:D:THR:N	1:64:E:THR:N	5	0.69
(2,273)	1:64:C:THR:N	1:64:D:THR:N	7	0.69
(2,273)	1:64:B:THR:N	1:64:C:THR:N	10	0.69
(2,272)	1:64:D:THR:CA	1:64:E:THR:CA	3	0.69
(2,272)	1:64:B:THR:CA	1:64:C:THR:CA	5	0.69
(2,272)	1:64:A:THR:CA	1:64:B:THR:CA	7	0.69
(2,272)	1:64:C:THR:CA	1:64:D:THR:CA	8	0.69
(2,272)	1:64:C:THR:CA	1:64:D:THR:CA	10	0.69
(2,271)	1:64:B:THR:C	1:64:C:THR:C	3	0.69
(2,271)	1:64:B:THR:C	1:64:C:THR:C	5	0.69
(2,271)	1:64:B:THR:C	1:64:C:THR:C	7	0.69
(2,271)	1:64:D:THR:C	1:64:E:THR:C	8	0.69
(2,271)	1:64:A:THR:C	1:64:B:THR:C	10	0.69
(2,270)	1:64:C:THR:N	1:64:D:THR:N	3	0.69
(2,270)	1:64:D:THR:N	1:64:E:THR:N	5	0.69
(2,270)	1:64:C:THR:N	1:64:D:THR:N	7	0.69
(2,270)	1:64:B:THR:N	1:64:C:THR:N	10	0.69
(2,269)	1:64:D:THR:CA	1:64:E:THR:CA	3	0.69
(2,269)	1:64:B:THR:CA	1:64:C:THR:CA	5	0.69
(2,269)	1:64:A:THR:CA	1:64:B:THR:CA	7	0.69
(2,269)	1:64:C:THR:CA	1:64:D:THR:CA	8	0.69
(2,269)	1:64:C:THR:CA	1:64:D:THR:CA	10	0.69
(2,268)	1:64:B:THR:C	1:64:C:THR:C	3	0.69
(2,268)	1:64:B:THR:C	1:64:C:THR:C	5	0.69
(2,268)	1:64:B:THR:C	1:64:C:THR:C	7	0.69
(2,268)	1:64:D:THR:C	1:64:E:THR:C	8	0.69
(2,268)	1:64:A:THR:C	1:64:B:THR:C	10	0.69
(2,267)	1:64:C:THR:N	1:64:D:THR:N	3	0.69
(2,267)	1:64:D:THR:N	1:64:E:THR:N	5	0.69
(2,267)	1:64:C:THR:N	1:64:D:THR:N	7	0.69
(2,267)	1:64:B:THR:N	1:64:C:THR:N	10	0.69
(2,266)	1:64:D:THR:CA	1:64:E:THR:CA	3	0.69
(2,266)	1:64:B:THR:CA	1:64:C:THR:CA	5	0.69
(2,266)	1:64:A:THR:CA	1:64:B:THR:CA	7	0.69
(2,266)	1:64:C:THR:CA	1:64:D:THR:CA	8	0.69
(2,266)	1:64:C:THR:CA	1:64:D:THR:CA	10	0.69
(2,265)	1:64:B:THR:C	1:64:C:THR:C	3	0.69
(2,265)	1:64:B:THR:C	1:64:C:THR:C	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,265)	1:64:B:THR:C	1:64:C:THR:C	7	0.69
(2,265)	1:64:D:THR:C	1:64:E:THR:C	8	0.69
(2,265)	1:64:A:THR:C	1:64:B:THR:C	10	0.69
(2,264)	1:63:B:VAL:N	1:63:C:VAL:N	2	0.69
(2,264)	1:63:A:VAL:N	1:63:B:VAL:N	3	0.69
(2,264)	1:63:B:VAL:N	1:63:C:VAL:N	5	0.69
(2,264)	1:63:D:VAL:N	1:63:E:VAL:N	7	0.69
(2,264)	1:63:A:VAL:N	1:63:B:VAL:N	10	0.69
(2,263)	1:63:B:VAL:CA	1:63:C:VAL:CA	5	0.69
(2,263)	1:63:C:VAL:CA	1:63:D:VAL:CA	7	0.69
(2,263)	1:63:D:VAL:CA	1:63:E:VAL:CA	8	0.69
(2,263)	1:63:C:VAL:CA	1:63:D:VAL:CA	10	0.69
(2,262)	1:63:A:VAL:C	1:63:B:VAL:C	3	0.69
(2,262)	1:63:A:VAL:C	1:63:B:VAL:C	5	0.69
(2,262)	1:63:C:VAL:C	1:63:D:VAL:C	7	0.69
(2,262)	1:63:C:VAL:C	1:63:D:VAL:C	10	0.69
(2,261)	1:63:B:VAL:N	1:63:C:VAL:N	2	0.69
(2,261)	1:63:A:VAL:N	1:63:B:VAL:N	3	0.69
(2,261)	1:63:B:VAL:N	1:63:C:VAL:N	5	0.69
(2,261)	1:63:D:VAL:N	1:63:E:VAL:N	7	0.69
(2,261)	1:63:A:VAL:N	1:63:B:VAL:N	10	0.69
(2,260)	1:63:B:VAL:CA	1:63:C:VAL:CA	5	0.69
(2,260)	1:63:C:VAL:CA	1:63:D:VAL:CA	7	0.69
(2,260)	1:63:D:VAL:CA	1:63:E:VAL:CA	8	0.69
(2,260)	1:63:C:VAL:CA	1:63:D:VAL:CA	10	0.69
(2,259)	1:63:A:VAL:C	1:63:B:VAL:C	3	0.69
(2,259)	1:63:A:VAL:C	1:63:B:VAL:C	5	0.69
(2,259)	1:63:C:VAL:C	1:63:D:VAL:C	7	0.69
(2,259)	1:63:C:VAL:C	1:63:D:VAL:C	10	0.69
(2,258)	1:63:B:VAL:N	1:63:C:VAL:N	2	0.69
(2,258)	1:63:A:VAL:N	1:63:B:VAL:N	3	0.69
(2,258)	1:63:B:VAL:N	1:63:C:VAL:N	5	0.69
(2,258)	1:63:D:VAL:N	1:63:E:VAL:N	7	0.69
(2,258)	1:63:A:VAL:N	1:63:B:VAL:N	10	0.69
(2,257)	1:63:B:VAL:CA	1:63:C:VAL:CA	5	0.69
(2,257)	1:63:C:VAL:CA	1:63:D:VAL:CA	7	0.69
(2,257)	1:63:D:VAL:CA	1:63:E:VAL:CA	8	0.69
(2,257)	1:63:C:VAL:CA	1:63:D:VAL:CA	10	0.69
(2,256)	1:63:A:VAL:C	1:63:B:VAL:C	3	0.69
(2,256)	1:63:A:VAL:C	1:63:B:VAL:C	5	0.69
(2,256)	1:63:C:VAL:C	1:63:D:VAL:C	7	0.69
(2,256)	1:63:C:VAL:C	1:63:D:VAL:C	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,255)	1:63:B:VAL:N	1:63:C:VAL:N	2	0.69
(2,255)	1:63:A:VAL:N	1:63:B:VAL:N	3	0.69
(2,255)	1:63:B:VAL:N	1:63:C:VAL:N	5	0.69
(2,255)	1:63:D:VAL:N	1:63:E:VAL:N	7	0.69
(2,255)	1:63:A:VAL:N	1:63:B:VAL:N	10	0.69
(2,254)	1:63:B:VAL:CA	1:63:C:VAL:CA	5	0.69
(2,254)	1:63:C:VAL:CA	1:63:D:VAL:CA	7	0.69
(2,254)	1:63:D:VAL:CA	1:63:E:VAL:CA	8	0.69
(2,254)	1:63:C:VAL:CA	1:63:D:VAL:CA	10	0.69
(2,253)	1:63:A:VAL:C	1:63:B:VAL:C	3	0.69
(2,253)	1:63:A:VAL:C	1:63:B:VAL:C	5	0.69
(2,253)	1:63:C:VAL:C	1:63:D:VAL:C	7	0.69
(2,253)	1:63:C:VAL:C	1:63:D:VAL:C	10	0.69
(2,252)	1:62:A:GLN:N	1:62:B:GLN:N	3	0.69
(2,252)	1:62:A:GLN:N	1:62:B:GLN:N	5	0.69
(2,252)	1:62:D:GLN:N	1:62:E:GLN:N	7	0.69
(2,252)	1:62:B:GLN:N	1:62:C:GLN:N	10	0.69
(2,251)	1:62:D:GLN:CA	1:62:E:GLN:CA	3	0.69
(2,251)	1:62:A:GLN:CA	1:62:B:GLN:CA	5	0.69
(2,251)	1:62:D:GLN:CA	1:62:E:GLN:CA	7	0.69
(2,251)	1:62:B:GLN:CA	1:62:C:GLN:CA	10	0.69
(2,250)	1:62:D:GLN:C	1:62:E:GLN:C	3	0.69
(2,250)	1:62:A:GLN:C	1:62:B:GLN:C	5	0.69
(2,250)	1:62:D:GLN:C	1:62:E:GLN:C	7	0.69
(2,250)	1:62:D:GLN:C	1:62:E:GLN:C	10	0.69
(2,249)	1:62:A:GLN:N	1:62:B:GLN:N	3	0.69
(2,249)	1:62:A:GLN:N	1:62:B:GLN:N	5	0.69
(2,249)	1:62:D:GLN:N	1:62:E:GLN:N	7	0.69
(2,249)	1:62:B:GLN:N	1:62:C:GLN:N	10	0.69
(2,248)	1:62:D:GLN:CA	1:62:E:GLN:CA	3	0.69
(2,248)	1:62:A:GLN:CA	1:62:B:GLN:CA	5	0.69
(2,248)	1:62:D:GLN:CA	1:62:E:GLN:CA	7	0.69
(2,248)	1:62:B:GLN:CA	1:62:C:GLN:CA	10	0.69
(2,247)	1:62:D:GLN:C	1:62:E:GLN:C	3	0.69
(2,247)	1:62:A:GLN:C	1:62:B:GLN:C	5	0.69
(2,247)	1:62:D:GLN:C	1:62:E:GLN:C	7	0.69
(2,247)	1:62:D:GLN:C	1:62:E:GLN:C	10	0.69
(2,246)	1:62:A:GLN:N	1:62:B:GLN:N	3	0.69
(2,246)	1:62:A:GLN:N	1:62:B:GLN:N	5	0.69
(2,246)	1:62:D:GLN:N	1:62:E:GLN:N	7	0.69
(2,246)	1:62:B:GLN:N	1:62:C:GLN:N	10	0.69
(2,245)	1:62:D:GLN:CA	1:62:E:GLN:CA	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,245)	1:62:A:GLN:CA	1:62:B:GLN:CA	5	0.69
(2,245)	1:62:D:GLN:CA	1:62:E:GLN:CA	7	0.69
(2,245)	1:62:B:GLN:CA	1:62:C:GLN:CA	10	0.69
(2,244)	1:62:D:GLN:C	1:62:E:GLN:C	3	0.69
(2,244)	1:62:A:GLN:C	1:62:B:GLN:C	5	0.69
(2,244)	1:62:D:GLN:C	1:62:E:GLN:C	7	0.69
(2,244)	1:62:D:GLN:C	1:62:E:GLN:C	10	0.69
(2,243)	1:62:A:GLN:N	1:62:B:GLN:N	3	0.69
(2,243)	1:62:A:GLN:N	1:62:B:GLN:N	5	0.69
(2,243)	1:62:D:GLN:N	1:62:E:GLN:N	7	0.69
(2,243)	1:62:B:GLN:N	1:62:C:GLN:N	10	0.69
(2,242)	1:62:D:GLN:CA	1:62:E:GLN:CA	3	0.69
(2,242)	1:62:A:GLN:CA	1:62:B:GLN:CA	5	0.69
(2,242)	1:62:D:GLN:CA	1:62:E:GLN:CA	7	0.69
(2,242)	1:62:B:GLN:CA	1:62:C:GLN:CA	10	0.69
(2,241)	1:62:D:GLN:C	1:62:E:GLN:C	3	0.69
(2,241)	1:62:A:GLN:C	1:62:B:GLN:C	5	0.69
(2,241)	1:62:D:GLN:C	1:62:E:GLN:C	7	0.69
(2,241)	1:62:D:GLN:C	1:62:E:GLN:C	10	0.69
(2,240)	1:61:A:GLU:N	1:61:B:GLU:N	5	0.69
(2,240)	1:61:D:GLU:N	1:61:E:GLU:N	7	0.69
(2,240)	1:61:D:GLU:N	1:61:E:GLU:N	10	0.69
(2,239)	1:61:A:GLU:CA	1:61:B:GLU:CA	2	0.69
(2,239)	1:61:B:GLU:CA	1:61:C:GLU:CA	3	0.69
(2,239)	1:61:A:GLU:CA	1:61:B:GLU:CA	5	0.69
(2,239)	1:61:C:GLU:CA	1:61:D:GLU:CA	7	0.69
(2,239)	1:61:B:GLU:CA	1:61:C:GLU:CA	10	0.69
(2,238)	1:61:A:GLU:C	1:61:B:GLU:C	5	0.69
(2,238)	1:61:D:GLU:C	1:61:E:GLU:C	7	0.69
(2,238)	1:61:C:GLU:C	1:61:D:GLU:C	8	0.69
(2,238)	1:61:B:GLU:C	1:61:C:GLU:C	10	0.69
(2,237)	1:61:A:GLU:N	1:61:B:GLU:N	5	0.69
(2,237)	1:61:D:GLU:N	1:61:E:GLU:N	7	0.69
(2,237)	1:61:D:GLU:N	1:61:E:GLU:N	10	0.69
(2,236)	1:61:A:GLU:CA	1:61:B:GLU:CA	2	0.69
(2,236)	1:61:B:GLU:CA	1:61:C:GLU:CA	3	0.69
(2,236)	1:61:A:GLU:CA	1:61:B:GLU:CA	5	0.69
(2,236)	1:61:C:GLU:CA	1:61:D:GLU:CA	7	0.69
(2,236)	1:61:B:GLU:CA	1:61:C:GLU:CA	10	0.69
(2,235)	1:61:A:GLU:C	1:61:B:GLU:C	5	0.69
(2,235)	1:61:D:GLU:C	1:61:E:GLU:C	7	0.69
(2,235)	1:61:C:GLU:C	1:61:D:GLU:C	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,235)	1:61:B:GLU:C	1:61:C:GLU:C	10	0.69
(2,234)	1:61:A:GLU:N	1:61:B:GLU:N	5	0.69
(2,234)	1:61:D:GLU:N	1:61:E:GLU:N	7	0.69
(2,234)	1:61:D:GLU:N	1:61:E:GLU:N	10	0.69
(2,233)	1:61:A:GLU:CA	1:61:B:GLU:CA	2	0.69
(2,233)	1:61:B:GLU:CA	1:61:C:GLU:CA	3	0.69
(2,233)	1:61:A:GLU:CA	1:61:B:GLU:CA	5	0.69
(2,233)	1:61:C:GLU:CA	1:61:D:GLU:CA	7	0.69
(2,233)	1:61:B:GLU:CA	1:61:C:GLU:CA	10	0.69
(2,232)	1:61:A:GLU:C	1:61:B:GLU:C	5	0.69
(2,232)	1:61:D:GLU:C	1:61:E:GLU:C	7	0.69
(2,232)	1:61:C:GLU:C	1:61:D:GLU:C	8	0.69
(2,232)	1:61:B:GLU:C	1:61:C:GLU:C	10	0.69
(2,231)	1:61:A:GLU:N	1:61:B:GLU:N	5	0.69
(2,231)	1:61:D:GLU:N	1:61:E:GLU:N	7	0.69
(2,231)	1:61:D:GLU:N	1:61:E:GLU:N	10	0.69
(2,230)	1:61:A:GLU:CA	1:61:B:GLU:CA	2	0.69
(2,230)	1:61:B:GLU:CA	1:61:C:GLU:CA	3	0.69
(2,230)	1:61:A:GLU:CA	1:61:B:GLU:CA	5	0.69
(2,230)	1:61:C:GLU:CA	1:61:D:GLU:CA	7	0.69
(2,230)	1:61:B:GLU:CA	1:61:C:GLU:CA	10	0.69
(2,229)	1:61:A:GLU:C	1:61:B:GLU:C	5	0.69
(2,229)	1:61:D:GLU:C	1:61:E:GLU:C	7	0.69
(2,229)	1:61:C:GLU:C	1:61:D:GLU:C	8	0.69
(2,229)	1:61:B:GLU:C	1:61:C:GLU:C	10	0.69
(2,228)	1:60:B:LYS:N	1:60:C:LYS:N	2	0.69
(2,228)	1:60:B:LYS:N	1:60:C:LYS:N	3	0.69
(2,228)	1:60:D:LYS:N	1:60:E:LYS:N	5	0.69
(2,228)	1:60:D:LYS:N	1:60:E:LYS:N	7	0.69
(2,228)	1:60:A:LYS:N	1:60:B:LYS:N	10	0.69
(2,227)	1:60:D:LYS:CA	1:60:E:LYS:CA	3	0.69
(2,227)	1:60:A:LYS:CA	1:60:B:LYS:CA	5	0.69
(2,227)	1:60:D:LYS:CA	1:60:E:LYS:CA	7	0.69
(2,227)	1:60:A:LYS:CA	1:60:B:LYS:CA	8	0.69
(2,227)	1:60:D:LYS:CA	1:60:E:LYS:CA	10	0.69
(2,226)	1:60:D:LYS:C	1:60:E:LYS:C	2	0.69
(2,226)	1:60:B:LYS:C	1:60:C:LYS:C	3	0.69
(2,226)	1:60:A:LYS:C	1:60:B:LYS:C	5	0.69
(2,226)	1:60:A:LYS:C	1:60:B:LYS:C	7	0.69
(2,226)	1:60:B:LYS:C	1:60:C:LYS:C	10	0.69
(2,225)	1:60:B:LYS:N	1:60:C:LYS:N	2	0.69
(2,225)	1:60:B:LYS:N	1:60:C:LYS:N	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,225)	1:60:D:LYS:N	1:60:E:LYS:N	5	0.69
(2,225)	1:60:D:LYS:N	1:60:E:LYS:N	7	0.69
(2,225)	1:60:A:LYS:N	1:60:B:LYS:N	10	0.69
(2,224)	1:60:D:LYS:CA	1:60:E:LYS:CA	3	0.69
(2,224)	1:60:A:LYS:CA	1:60:B:LYS:CA	5	0.69
(2,224)	1:60:D:LYS:CA	1:60:E:LYS:CA	7	0.69
(2,224)	1:60:A:LYS:CA	1:60:B:LYS:CA	8	0.69
(2,224)	1:60:D:LYS:CA	1:60:E:LYS:CA	10	0.69
(2,223)	1:60:D:LYS:C	1:60:E:LYS:C	2	0.69
(2,223)	1:60:B:LYS:C	1:60:C:LYS:C	3	0.69
(2,223)	1:60:A:LYS:C	1:60:B:LYS:C	5	0.69
(2,223)	1:60:A:LYS:C	1:60:B:LYS:C	7	0.69
(2,223)	1:60:B:LYS:C	1:60:C:LYS:C	10	0.69
(2,222)	1:60:B:LYS:N	1:60:C:LYS:N	2	0.69
(2,222)	1:60:B:LYS:N	1:60:C:LYS:N	3	0.69
(2,222)	1:60:D:LYS:N	1:60:E:LYS:N	5	0.69
(2,222)	1:60:D:LYS:N	1:60:E:LYS:N	7	0.69
(2,222)	1:60:A:LYS:N	1:60:B:LYS:N	10	0.69
(2,221)	1:60:D:LYS:CA	1:60:E:LYS:CA	3	0.69
(2,221)	1:60:A:LYS:CA	1:60:B:LYS:CA	5	0.69
(2,221)	1:60:D:LYS:CA	1:60:E:LYS:CA	7	0.69
(2,221)	1:60:A:LYS:CA	1:60:B:LYS:CA	8	0.69
(2,221)	1:60:D:LYS:CA	1:60:E:LYS:CA	10	0.69
(2,220)	1:60:D:LYS:C	1:60:E:LYS:C	2	0.69
(2,220)	1:60:B:LYS:C	1:60:C:LYS:C	3	0.69
(2,220)	1:60:A:LYS:C	1:60:B:LYS:C	5	0.69
(2,220)	1:60:A:LYS:C	1:60:B:LYS:C	7	0.69
(2,220)	1:60:B:LYS:C	1:60:C:LYS:C	10	0.69
(2,219)	1:60:B:LYS:N	1:60:C:LYS:N	2	0.69
(2,219)	1:60:B:LYS:N	1:60:C:LYS:N	3	0.69
(2,219)	1:60:D:LYS:N	1:60:E:LYS:N	5	0.69
(2,219)	1:60:D:LYS:N	1:60:E:LYS:N	7	0.69
(2,219)	1:60:A:LYS:N	1:60:B:LYS:N	10	0.69
(2,218)	1:60:D:LYS:CA	1:60:E:LYS:CA	3	0.69
(2,218)	1:60:A:LYS:CA	1:60:B:LYS:CA	5	0.69
(2,218)	1:60:D:LYS:CA	1:60:E:LYS:CA	7	0.69
(2,218)	1:60:A:LYS:CA	1:60:B:LYS:CA	8	0.69
(2,218)	1:60:D:LYS:CA	1:60:E:LYS:CA	10	0.69
(2,217)	1:60:D:LYS:C	1:60:E:LYS:C	2	0.69
(2,217)	1:60:B:LYS:C	1:60:C:LYS:C	3	0.69
(2,217)	1:60:A:LYS:C	1:60:B:LYS:C	5	0.69
(2,217)	1:60:A:LYS:C	1:60:B:LYS:C	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,217)	1:60:B:LYS:C	1:60:C:LYS:C	10	0.69
(2,216)	1:59:C:THR:N	1:59:D:THR:N	3	0.69
(2,216)	1:59:D:THR:N	1:59:E:THR:N	5	0.69
(2,216)	1:59:A:THR:N	1:59:B:THR:N	7	0.69
(2,216)	1:59:B:THR:N	1:59:C:THR:N	8	0.69
(2,216)	1:59:A:THR:N	1:59:B:THR:N	10	0.69
(2,215)	1:59:B:THR:CA	1:59:C:THR:CA	2	0.69
(2,215)	1:59:A:THR:CA	1:59:B:THR:CA	5	0.69
(2,215)	1:59:D:THR:CA	1:59:E:THR:CA	7	0.69
(2,215)	1:59:A:THR:CA	1:59:B:THR:CA	10	0.69
(2,214)	1:59:C:THR:C	1:59:D:THR:C	2	0.69
(2,214)	1:59:C:THR:C	1:59:D:THR:C	3	0.69
(2,214)	1:59:D:THR:C	1:59:E:THR:C	5	0.69
(2,214)	1:59:D:THR:C	1:59:E:THR:C	7	0.69
(2,214)	1:59:A:THR:C	1:59:B:THR:C	10	0.69
(2,213)	1:59:C:THR:N	1:59:D:THR:N	3	0.69
(2,213)	1:59:D:THR:N	1:59:E:THR:N	5	0.69
(2,213)	1:59:A:THR:N	1:59:B:THR:N	7	0.69
(2,213)	1:59:B:THR:N	1:59:C:THR:N	8	0.69
(2,213)	1:59:A:THR:N	1:59:B:THR:N	10	0.69
(2,212)	1:59:B:THR:CA	1:59:C:THR:CA	2	0.69
(2,212)	1:59:A:THR:CA	1:59:B:THR:CA	5	0.69
(2,212)	1:59:D:THR:CA	1:59:E:THR:CA	7	0.69
(2,212)	1:59:A:THR:CA	1:59:B:THR:CA	10	0.69
(2,211)	1:59:C:THR:C	1:59:D:THR:C	2	0.69
(2,211)	1:59:C:THR:C	1:59:D:THR:C	3	0.69
(2,211)	1:59:D:THR:C	1:59:E:THR:C	5	0.69
(2,211)	1:59:D:THR:C	1:59:E:THR:C	7	0.69
(2,211)	1:59:A:THR:C	1:59:B:THR:C	10	0.69
(2,210)	1:59:C:THR:N	1:59:D:THR:N	3	0.69
(2,210)	1:59:D:THR:N	1:59:E:THR:N	5	0.69
(2,210)	1:59:A:THR:N	1:59:B:THR:N	7	0.69
(2,210)	1:59:B:THR:N	1:59:C:THR:N	8	0.69
(2,210)	1:59:A:THR:N	1:59:B:THR:N	10	0.69
(2,209)	1:59:B:THR:CA	1:59:C:THR:CA	2	0.69
(2,209)	1:59:A:THR:CA	1:59:B:THR:CA	5	0.69
(2,209)	1:59:D:THR:CA	1:59:E:THR:CA	7	0.69
(2,209)	1:59:A:THR:CA	1:59:B:THR:CA	10	0.69
(2,208)	1:59:C:THR:C	1:59:D:THR:C	2	0.69
(2,208)	1:59:C:THR:C	1:59:D:THR:C	3	0.69
(2,208)	1:59:D:THR:C	1:59:E:THR:C	5	0.69
(2,208)	1:59:D:THR:C	1:59:E:THR:C	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,208)	1:59:A:THR:C	1:59:B:THR:C	10	0.69
(2,207)	1:59:C:THR:N	1:59:D:THR:N	3	0.69
(2,207)	1:59:D:THR:N	1:59:E:THR:N	5	0.69
(2,207)	1:59:A:THR:N	1:59:B:THR:N	7	0.69
(2,207)	1:59:B:THR:N	1:59:C:THR:N	8	0.69
(2,207)	1:59:A:THR:N	1:59:B:THR:N	10	0.69
(2,206)	1:59:B:THR:CA	1:59:C:THR:CA	2	0.69
(2,206)	1:59:A:THR:CA	1:59:B:THR:CA	5	0.69
(2,206)	1:59:D:THR:CA	1:59:E:THR:CA	7	0.69
(2,206)	1:59:A:THR:CA	1:59:B:THR:CA	10	0.69
(2,205)	1:59:C:THR:C	1:59:D:THR:C	2	0.69
(2,205)	1:59:C:THR:C	1:59:D:THR:C	3	0.69
(2,205)	1:59:D:THR:C	1:59:E:THR:C	5	0.69
(2,205)	1:59:D:THR:C	1:59:E:THR:C	7	0.69
(2,205)	1:59:A:THR:C	1:59:B:THR:C	10	0.69
(2,204)	1:58:C:LYS:N	1:58:D:LYS:N	2	0.69
(2,204)	1:58:B:LYS:N	1:58:C:LYS:N	3	0.69
(2,204)	1:58:D:LYS:N	1:58:E:LYS:N	5	0.69
(2,204)	1:58:C:LYS:N	1:58:D:LYS:N	7	0.69
(2,204)	1:58:D:LYS:N	1:58:E:LYS:N	10	0.69
(2,203)	1:58:C:LYS:CA	1:58:D:LYS:CA	2	0.69
(2,203)	1:58:B:LYS:CA	1:58:C:LYS:CA	3	0.69
(2,203)	1:58:A:LYS:CA	1:58:B:LYS:CA	5	0.69
(2,203)	1:58:D:LYS:CA	1:58:E:LYS:CA	7	0.69
(2,203)	1:58:C:LYS:CA	1:58:D:LYS:CA	10	0.69
(2,202)	1:58:A:LYS:C	1:58:B:LYS:C	3	0.69
(2,202)	1:58:A:LYS:C	1:58:B:LYS:C	5	0.69
(2,202)	1:58:D:LYS:C	1:58:E:LYS:C	7	0.69
(2,202)	1:58:B:LYS:C	1:58:C:LYS:C	10	0.69
(2,201)	1:58:C:LYS:N	1:58:D:LYS:N	2	0.69
(2,201)	1:58:B:LYS:N	1:58:C:LYS:N	3	0.69
(2,201)	1:58:D:LYS:N	1:58:E:LYS:N	5	0.69
(2,201)	1:58:C:LYS:N	1:58:D:LYS:N	7	0.69
(2,201)	1:58:D:LYS:N	1:58:E:LYS:N	10	0.69
(2,200)	1:58:C:LYS:CA	1:58:D:LYS:CA	2	0.69
(2,200)	1:58:B:LYS:CA	1:58:C:LYS:CA	3	0.69
(2,200)	1:58:A:LYS:CA	1:58:B:LYS:CA	5	0.69
(2,200)	1:58:D:LYS:CA	1:58:E:LYS:CA	7	0.69
(2,200)	1:58:C:LYS:CA	1:58:D:LYS:CA	10	0.69
(2,199)	1:58:A:LYS:C	1:58:B:LYS:C	3	0.69
(2,199)	1:58:A:LYS:C	1:58:B:LYS:C	5	0.69
(2,199)	1:58:D:LYS:C	1:58:E:LYS:C	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,199)	1:58:B:LYS:C	1:58:C:LYS:C	10	0.69
(2,198)	1:58:C:LYS:N	1:58:D:LYS:N	2	0.69
(2,198)	1:58:B:LYS:N	1:58:C:LYS:N	3	0.69
(2,198)	1:58:D:LYS:N	1:58:E:LYS:N	5	0.69
(2,198)	1:58:C:LYS:N	1:58:D:LYS:N	7	0.69
(2,198)	1:58:D:LYS:N	1:58:E:LYS:N	10	0.69
(2,197)	1:58:C:LYS:CA	1:58:D:LYS:CA	2	0.69
(2,197)	1:58:B:LYS:CA	1:58:C:LYS:CA	3	0.69
(2,197)	1:58:A:LYS:CA	1:58:B:LYS:CA	5	0.69
(2,197)	1:58:D:LYS:CA	1:58:E:LYS:CA	7	0.69
(2,197)	1:58:C:LYS:CA	1:58:D:LYS:CA	10	0.69
(2,196)	1:58:A:LYS:C	1:58:B:LYS:C	3	0.69
(2,196)	1:58:A:LYS:C	1:58:B:LYS:C	5	0.69
(2,196)	1:58:D:LYS:C	1:58:E:LYS:C	7	0.69
(2,196)	1:58:B:LYS:C	1:58:C:LYS:C	10	0.69
(2,195)	1:58:C:LYS:N	1:58:D:LYS:N	2	0.69
(2,195)	1:58:B:LYS:N	1:58:C:LYS:N	3	0.69
(2,195)	1:58:D:LYS:N	1:58:E:LYS:N	5	0.69
(2,195)	1:58:C:LYS:N	1:58:D:LYS:N	7	0.69
(2,195)	1:58:D:LYS:N	1:58:E:LYS:N	10	0.69
(2,194)	1:58:C:LYS:CA	1:58:D:LYS:CA	2	0.69
(2,194)	1:58:B:LYS:CA	1:58:C:LYS:CA	3	0.69
(2,194)	1:58:A:LYS:CA	1:58:B:LYS:CA	5	0.69
(2,194)	1:58:D:LYS:CA	1:58:E:LYS:CA	7	0.69
(2,194)	1:58:C:LYS:CA	1:58:D:LYS:CA	10	0.69
(2,193)	1:58:A:LYS:C	1:58:B:LYS:C	3	0.69
(2,193)	1:58:A:LYS:C	1:58:B:LYS:C	5	0.69
(2,193)	1:58:D:LYS:C	1:58:E:LYS:C	7	0.69
(2,193)	1:58:B:LYS:C	1:58:C:LYS:C	10	0.69
(2,192)	1:57:C:GLU:N	1:57:D:GLU:N	3	0.69
(2,192)	1:57:D:GLU:N	1:57:E:GLU:N	5	0.69
(2,192)	1:57:D:GLU:N	1:57:E:GLU:N	7	0.69
(2,192)	1:57:C:GLU:N	1:57:D:GLU:N	10	0.69
(2,191)	1:57:C:GLU:CA	1:57:D:GLU:CA	2	0.69
(2,191)	1:57:B:GLU:CA	1:57:C:GLU:CA	3	0.69
(2,191)	1:57:A:GLU:CA	1:57:B:GLU:CA	5	0.69
(2,191)	1:57:A:GLU:CA	1:57:B:GLU:CA	7	0.69
(2,191)	1:57:C:GLU:CA	1:57:D:GLU:CA	10	0.69
(2,190)	1:57:D:GLU:C	1:57:E:GLU:C	2	0.69
(2,190)	1:57:A:GLU:C	1:57:B:GLU:C	3	0.69
(2,190)	1:57:D:GLU:C	1:57:E:GLU:C	5	0.69
(2,190)	1:57:D:GLU:C	1:57:E:GLU:C	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,190)	1:57:D:GLU:C	1:57:E:GLU:C	8	0.69
(2,190)	1:57:B:GLU:C	1:57:C:GLU:C	10	0.69
(2,189)	1:57:C:GLU:N	1:57:D:GLU:N	3	0.69
(2,189)	1:57:D:GLU:N	1:57:E:GLU:N	5	0.69
(2,189)	1:57:D:GLU:N	1:57:E:GLU:N	7	0.69
(2,189)	1:57:C:GLU:N	1:57:D:GLU:N	10	0.69
(2,188)	1:57:C:GLU:CA	1:57:D:GLU:CA	2	0.69
(2,188)	1:57:B:GLU:CA	1:57:C:GLU:CA	3	0.69
(2,188)	1:57:A:GLU:CA	1:57:B:GLU:CA	5	0.69
(2,188)	1:57:A:GLU:CA	1:57:B:GLU:CA	7	0.69
(2,188)	1:57:C:GLU:CA	1:57:D:GLU:CA	10	0.69
(2,187)	1:57:D:GLU:C	1:57:E:GLU:C	2	0.69
(2,187)	1:57:A:GLU:C	1:57:B:GLU:C	3	0.69
(2,187)	1:57:D:GLU:C	1:57:E:GLU:C	5	0.69
(2,187)	1:57:D:GLU:C	1:57:E:GLU:C	7	0.69
(2,187)	1:57:D:GLU:C	1:57:E:GLU:C	8	0.69
(2,187)	1:57:B:GLU:C	1:57:C:GLU:C	10	0.69
(2,186)	1:57:C:GLU:N	1:57:D:GLU:N	3	0.69
(2,186)	1:57:D:GLU:N	1:57:E:GLU:N	5	0.69
(2,186)	1:57:D:GLU:N	1:57:E:GLU:N	7	0.69
(2,186)	1:57:C:GLU:N	1:57:D:GLU:N	10	0.69
(2,185)	1:57:C:GLU:CA	1:57:D:GLU:CA	2	0.69
(2,185)	1:57:B:GLU:CA	1:57:C:GLU:CA	3	0.69
(2,185)	1:57:A:GLU:CA	1:57:B:GLU:CA	5	0.69
(2,185)	1:57:A:GLU:CA	1:57:B:GLU:CA	7	0.69
(2,185)	1:57:C:GLU:CA	1:57:D:GLU:CA	10	0.69
(2,184)	1:57:D:GLU:C	1:57:E:GLU:C	2	0.69
(2,184)	1:57:A:GLU:C	1:57:B:GLU:C	3	0.69
(2,184)	1:57:D:GLU:C	1:57:E:GLU:C	5	0.69
(2,184)	1:57:D:GLU:C	1:57:E:GLU:C	7	0.69
(2,184)	1:57:D:GLU:C	1:57:E:GLU:C	8	0.69
(2,184)	1:57:B:GLU:C	1:57:C:GLU:C	10	0.69
(2,183)	1:57:C:GLU:N	1:57:D:GLU:N	3	0.69
(2,183)	1:57:D:GLU:N	1:57:E:GLU:N	5	0.69
(2,183)	1:57:D:GLU:N	1:57:E:GLU:N	7	0.69
(2,183)	1:57:C:GLU:N	1:57:D:GLU:N	10	0.69
(2,182)	1:57:C:GLU:CA	1:57:D:GLU:CA	2	0.69
(2,182)	1:57:B:GLU:CA	1:57:C:GLU:CA	3	0.69
(2,182)	1:57:A:GLU:CA	1:57:B:GLU:CA	5	0.69
(2,182)	1:57:A:GLU:CA	1:57:B:GLU:CA	7	0.69
(2,182)	1:57:C:GLU:CA	1:57:D:GLU:CA	10	0.69
(2,181)	1:57:D:GLU:C	1:57:E:GLU:C	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,181)	1:57:A:GLU:C	1:57:B:GLU:C	3	0.69
(2,181)	1:57:D:GLU:C	1:57:E:GLU:C	5	0.69
(2,181)	1:57:D:GLU:C	1:57:E:GLU:C	7	0.69
(2,181)	1:57:D:GLU:C	1:57:E:GLU:C	8	0.69
(2,181)	1:57:B:GLU:C	1:57:C:GLU:C	10	0.69
(2,180)	1:56:B:ALA:N	1:56:C:ALA:N	2	0.69
(2,180)	1:56:B:ALA:N	1:56:C:ALA:N	3	0.69
(2,180)	1:56:A:ALA:N	1:56:B:ALA:N	5	0.69
(2,180)	1:56:D:ALA:N	1:56:E:ALA:N	7	0.69
(2,180)	1:56:A:ALA:N	1:56:B:ALA:N	8	0.69
(2,180)	1:56:B:ALA:N	1:56:C:ALA:N	10	0.69
(2,179)	1:56:D:ALA:CA	1:56:E:ALA:CA	2	0.69
(2,179)	1:56:B:ALA:CA	1:56:C:ALA:CA	3	0.69
(2,179)	1:56:A:ALA:CA	1:56:B:ALA:CA	5	0.69
(2,179)	1:56:D:ALA:CA	1:56:E:ALA:CA	7	0.69
(2,179)	1:56:A:ALA:CA	1:56:B:ALA:CA	10	0.69
(2,178)	1:56:D:ALA:C	1:56:E:ALA:C	3	0.69
(2,178)	1:56:A:ALA:C	1:56:B:ALA:C	5	0.69
(2,178)	1:56:D:ALA:C	1:56:E:ALA:C	7	0.69
(2,178)	1:56:D:ALA:C	1:56:E:ALA:C	10	0.69
(2,177)	1:56:B:ALA:N	1:56:C:ALA:N	2	0.69
(2,177)	1:56:B:ALA:N	1:56:C:ALA:N	3	0.69
(2,177)	1:56:A:ALA:N	1:56:B:ALA:N	5	0.69
(2,177)	1:56:D:ALA:N	1:56:E:ALA:N	7	0.69
(2,177)	1:56:A:ALA:N	1:56:B:ALA:N	8	0.69
(2,177)	1:56:B:ALA:N	1:56:C:ALA:N	10	0.69
(2,176)	1:56:D:ALA:CA	1:56:E:ALA:CA	2	0.69
(2,176)	1:56:B:ALA:CA	1:56:C:ALA:CA	3	0.69
(2,176)	1:56:A:ALA:CA	1:56:B:ALA:CA	5	0.69
(2,176)	1:56:D:ALA:CA	1:56:E:ALA:CA	7	0.69
(2,176)	1:56:A:ALA:CA	1:56:B:ALA:CA	10	0.69
(2,175)	1:56:D:ALA:C	1:56:E:ALA:C	3	0.69
(2,175)	1:56:A:ALA:C	1:56:B:ALA:C	5	0.69
(2,175)	1:56:D:ALA:C	1:56:E:ALA:C	7	0.69
(2,175)	1:56:D:ALA:C	1:56:E:ALA:C	10	0.69
(2,174)	1:56:B:ALA:N	1:56:C:ALA:N	2	0.69
(2,174)	1:56:B:ALA:N	1:56:C:ALA:N	3	0.69
(2,174)	1:56:A:ALA:N	1:56:B:ALA:N	5	0.69
(2,174)	1:56:D:ALA:N	1:56:E:ALA:N	7	0.69
(2,174)	1:56:A:ALA:N	1:56:B:ALA:N	8	0.69
(2,174)	1:56:B:ALA:N	1:56:C:ALA:N	10	0.69
(2,173)	1:56:D:ALA:CA	1:56:E:ALA:CA	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,173)	1:56:B:ALA:CA	1:56:C:ALA:CA	3	0.69
(2,173)	1:56:A:ALA:CA	1:56:B:ALA:CA	5	0.69
(2,173)	1:56:D:ALA:CA	1:56:E:ALA:CA	7	0.69
(2,173)	1:56:A:ALA:CA	1:56:B:ALA:CA	10	0.69
(2,172)	1:56:D:ALA:C	1:56:E:ALA:C	3	0.69
(2,172)	1:56:A:ALA:C	1:56:B:ALA:C	5	0.69
(2,172)	1:56:D:ALA:C	1:56:E:ALA:C	7	0.69
(2,172)	1:56:D:ALA:C	1:56:E:ALA:C	10	0.69
(2,171)	1:56:B:ALA:N	1:56:C:ALA:N	2	0.69
(2,171)	1:56:B:ALA:N	1:56:C:ALA:N	3	0.69
(2,171)	1:56:A:ALA:N	1:56:B:ALA:N	5	0.69
(2,171)	1:56:D:ALA:N	1:56:E:ALA:N	7	0.69
(2,171)	1:56:A:ALA:N	1:56:B:ALA:N	8	0.69
(2,171)	1:56:B:ALA:N	1:56:C:ALA:N	10	0.69
(2,170)	1:56:D:ALA:CA	1:56:E:ALA:CA	2	0.69
(2,170)	1:56:B:ALA:CA	1:56:C:ALA:CA	3	0.69
(2,170)	1:56:A:ALA:CA	1:56:B:ALA:CA	5	0.69
(2,170)	1:56:D:ALA:CA	1:56:E:ALA:CA	7	0.69
(2,170)	1:56:A:ALA:CA	1:56:B:ALA:CA	10	0.69
(2,169)	1:56:D:ALA:C	1:56:E:ALA:C	3	0.69
(2,169)	1:56:A:ALA:C	1:56:B:ALA:C	5	0.69
(2,169)	1:56:D:ALA:C	1:56:E:ALA:C	7	0.69
(2,169)	1:56:D:ALA:C	1:56:E:ALA:C	10	0.69
(2,168)	1:55:D:VAL:N	1:55:E:VAL:N	3	0.69
(2,168)	1:55:D:VAL:N	1:55:E:VAL:N	5	0.69
(2,168)	1:55:D:VAL:N	1:55:E:VAL:N	7	0.69
(2,168)	1:55:D:VAL:N	1:55:E:VAL:N	8	0.69
(2,168)	1:55:A:VAL:N	1:55:B:VAL:N	10	0.69
(2,167)	1:55:A:VAL:CA	1:55:B:VAL:CA	2	0.69
(2,167)	1:55:B:VAL:CA	1:55:C:VAL:CA	3	0.69
(2,167)	1:55:D:VAL:CA	1:55:E:VAL:CA	5	0.69
(2,167)	1:55:D:VAL:CA	1:55:E:VAL:CA	7	0.69
(2,167)	1:55:A:VAL:CA	1:55:B:VAL:CA	10	0.69
(2,166)	1:55:C:VAL:C	1:55:D:VAL:C	3	0.69
(2,166)	1:55:D:VAL:C	1:55:E:VAL:C	5	0.69
(2,166)	1:55:D:VAL:C	1:55:E:VAL:C	7	0.69
(2,166)	1:55:A:VAL:C	1:55:B:VAL:C	10	0.69
(2,165)	1:55:D:VAL:N	1:55:E:VAL:N	3	0.69
(2,165)	1:55:D:VAL:N	1:55:E:VAL:N	5	0.69
(2,165)	1:55:D:VAL:N	1:55:E:VAL:N	7	0.69
(2,165)	1:55:D:VAL:N	1:55:E:VAL:N	8	0.69
(2,165)	1:55:A:VAL:N	1:55:B:VAL:N	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,164)	1:55:A:VAL:CA	1:55:B:VAL:CA	2	0.69
(2,164)	1:55:B:VAL:CA	1:55:C:VAL:CA	3	0.69
(2,164)	1:55:D:VAL:CA	1:55:E:VAL:CA	5	0.69
(2,164)	1:55:D:VAL:CA	1:55:E:VAL:CA	7	0.69
(2,164)	1:55:A:VAL:CA	1:55:B:VAL:CA	10	0.69
(2,163)	1:55:C:VAL:C	1:55:D:VAL:C	3	0.69
(2,163)	1:55:D:VAL:C	1:55:E:VAL:C	5	0.69
(2,163)	1:55:D:VAL:C	1:55:E:VAL:C	7	0.69
(2,163)	1:55:A:VAL:C	1:55:B:VAL:C	10	0.69
(2,162)	1:55:D:VAL:N	1:55:E:VAL:N	3	0.69
(2,162)	1:55:D:VAL:N	1:55:E:VAL:N	5	0.69
(2,162)	1:55:D:VAL:N	1:55:E:VAL:N	7	0.69
(2,162)	1:55:D:VAL:N	1:55:E:VAL:N	8	0.69
(2,162)	1:55:A:VAL:N	1:55:B:VAL:N	10	0.69
(2,161)	1:55:A:VAL:CA	1:55:B:VAL:CA	2	0.69
(2,161)	1:55:B:VAL:CA	1:55:C:VAL:CA	3	0.69
(2,161)	1:55:D:VAL:CA	1:55:E:VAL:CA	5	0.69
(2,161)	1:55:D:VAL:CA	1:55:E:VAL:CA	7	0.69
(2,161)	1:55:A:VAL:CA	1:55:B:VAL:CA	10	0.69
(2,160)	1:55:C:VAL:C	1:55:D:VAL:C	3	0.69
(2,160)	1:55:D:VAL:C	1:55:E:VAL:C	5	0.69
(2,160)	1:55:D:VAL:C	1:55:E:VAL:C	7	0.69
(2,160)	1:55:A:VAL:C	1:55:B:VAL:C	10	0.69
(2,159)	1:55:D:VAL:N	1:55:E:VAL:N	3	0.69
(2,159)	1:55:D:VAL:N	1:55:E:VAL:N	5	0.69
(2,159)	1:55:D:VAL:N	1:55:E:VAL:N	7	0.69
(2,159)	1:55:D:VAL:N	1:55:E:VAL:N	8	0.69
(2,159)	1:55:A:VAL:N	1:55:B:VAL:N	10	0.69
(2,158)	1:55:A:VAL:CA	1:55:B:VAL:CA	2	0.69
(2,158)	1:55:B:VAL:CA	1:55:C:VAL:CA	3	0.69
(2,158)	1:55:D:VAL:CA	1:55:E:VAL:CA	5	0.69
(2,158)	1:55:D:VAL:CA	1:55:E:VAL:CA	7	0.69
(2,158)	1:55:A:VAL:CA	1:55:B:VAL:CA	10	0.69
(2,157)	1:55:C:VAL:C	1:55:D:VAL:C	3	0.69
(2,157)	1:55:D:VAL:C	1:55:E:VAL:C	5	0.69
(2,157)	1:55:D:VAL:C	1:55:E:VAL:C	7	0.69
(2,157)	1:55:A:VAL:C	1:55:B:VAL:C	10	0.69
(2,156)	1:54:C:THR:N	1:54:D:THR:N	3	0.69
(2,156)	1:54:A:THR:N	1:54:B:THR:N	5	0.69
(2,156)	1:54:D:THR:N	1:54:E:THR:N	7	0.69
(2,156)	1:54:D:THR:N	1:54:E:THR:N	10	0.69
(2,155)	1:54:D:THR:CA	1:54:E:THR:CA	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,155)	1:54:A:THR:CA	1:54:B:THR:CA	5	0.69
(2,155)	1:54:B:THR:CA	1:54:C:THR:CA	7	0.69
(2,155)	1:54:C:THR:CA	1:54:D:THR:CA	8	0.69
(2,155)	1:54:A:THR:CA	1:54:B:THR:CA	10	0.69
(2,154)	1:54:B:THR:C	1:54:C:THR:C	2	0.69
(2,154)	1:54:C:THR:C	1:54:D:THR:C	3	0.69
(2,154)	1:54:B:THR:C	1:54:C:THR:C	5	0.69
(2,154)	1:54:C:THR:C	1:54:D:THR:C	7	0.69
(2,154)	1:54:D:THR:C	1:54:E:THR:C	10	0.69
(2,153)	1:54:C:THR:N	1:54:D:THR:N	3	0.69
(2,153)	1:54:A:THR:N	1:54:B:THR:N	5	0.69
(2,153)	1:54:D:THR:N	1:54:E:THR:N	7	0.69
(2,153)	1:54:D:THR:N	1:54:E:THR:N	10	0.69
(2,152)	1:54:D:THR:CA	1:54:E:THR:CA	3	0.69
(2,152)	1:54:A:THR:CA	1:54:B:THR:CA	5	0.69
(2,152)	1:54:B:THR:CA	1:54:C:THR:CA	7	0.69
(2,152)	1:54:C:THR:CA	1:54:D:THR:CA	8	0.69
(2,152)	1:54:A:THR:CA	1:54:B:THR:CA	10	0.69
(2,151)	1:54:B:THR:C	1:54:C:THR:C	2	0.69
(2,151)	1:54:C:THR:C	1:54:D:THR:C	3	0.69
(2,151)	1:54:B:THR:C	1:54:C:THR:C	5	0.69
(2,151)	1:54:C:THR:C	1:54:D:THR:C	7	0.69
(2,151)	1:54:D:THR:C	1:54:E:THR:C	10	0.69
(2,150)	1:54:C:THR:N	1:54:D:THR:N	3	0.69
(2,150)	1:54:A:THR:N	1:54:B:THR:N	5	0.69
(2,150)	1:54:D:THR:N	1:54:E:THR:N	7	0.69
(2,150)	1:54:D:THR:N	1:54:E:THR:N	10	0.69
(2,149)	1:54:D:THR:CA	1:54:E:THR:CA	3	0.69
(2,149)	1:54:A:THR:CA	1:54:B:THR:CA	5	0.69
(2,149)	1:54:B:THR:CA	1:54:C:THR:CA	7	0.69
(2,149)	1:54:C:THR:CA	1:54:D:THR:CA	8	0.69
(2,149)	1:54:A:THR:CA	1:54:B:THR:CA	10	0.69
(2,148)	1:54:B:THR:C	1:54:C:THR:C	2	0.69
(2,148)	1:54:C:THR:C	1:54:D:THR:C	3	0.69
(2,148)	1:54:B:THR:C	1:54:C:THR:C	5	0.69
(2,148)	1:54:C:THR:C	1:54:D:THR:C	7	0.69
(2,148)	1:54:D:THR:C	1:54:E:THR:C	10	0.69
(2,147)	1:54:C:THR:N	1:54:D:THR:N	3	0.69
(2,147)	1:54:A:THR:N	1:54:B:THR:N	5	0.69
(2,147)	1:54:D:THR:N	1:54:E:THR:N	7	0.69
(2,147)	1:54:D:THR:N	1:54:E:THR:N	10	0.69
(2,146)	1:54:D:THR:CA	1:54:E:THR:CA	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,146)	1:54:A:THR:CA	1:54:B:THR:CA	5	0.69
(2,146)	1:54:B:THR:CA	1:54:C:THR:CA	7	0.69
(2,146)	1:54:C:THR:CA	1:54:D:THR:CA	8	0.69
(2,146)	1:54:A:THR:CA	1:54:B:THR:CA	10	0.69
(2,145)	1:54:B:THR:C	1:54:C:THR:C	2	0.69
(2,145)	1:54:C:THR:C	1:54:D:THR:C	3	0.69
(2,145)	1:54:B:THR:C	1:54:C:THR:C	5	0.69
(2,145)	1:54:C:THR:C	1:54:D:THR:C	7	0.69
(2,145)	1:54:D:THR:C	1:54:E:THR:C	10	0.69
(2,144)	1:53:A:ALA:N	1:53:B:ALA:N	2	0.69
(2,144)	1:53:A:ALA:N	1:53:B:ALA:N	3	0.69
(2,144)	1:53:B:ALA:N	1:53:C:ALA:N	5	0.69
(2,144)	1:53:D:ALA:N	1:53:E:ALA:N	7	0.69
(2,144)	1:53:D:ALA:N	1:53:E:ALA:N	8	0.69
(2,144)	1:53:A:ALA:N	1:53:B:ALA:N	10	0.69
(2,143)	1:53:C:ALA:CA	1:53:D:ALA:CA	3	0.69
(2,143)	1:53:D:ALA:CA	1:53:E:ALA:CA	5	0.69
(2,143)	1:53:D:ALA:CA	1:53:E:ALA:CA	7	0.69
(2,143)	1:53:B:ALA:CA	1:53:C:ALA:CA	10	0.69
(2,142)	1:53:B:ALA:C	1:53:C:ALA:C	2	0.69
(2,142)	1:53:A:ALA:C	1:53:B:ALA:C	3	0.69
(2,142)	1:53:B:ALA:C	1:53:C:ALA:C	5	0.69
(2,142)	1:53:D:ALA:C	1:53:E:ALA:C	7	0.69
(2,142)	1:53:A:ALA:C	1:53:B:ALA:C	10	0.69
(2,141)	1:53:A:ALA:N	1:53:B:ALA:N	2	0.69
(2,141)	1:53:A:ALA:N	1:53:B:ALA:N	3	0.69
(2,141)	1:53:B:ALA:N	1:53:C:ALA:N	5	0.69
(2,141)	1:53:D:ALA:N	1:53:E:ALA:N	7	0.69
(2,141)	1:53:D:ALA:N	1:53:E:ALA:N	8	0.69
(2,141)	1:53:A:ALA:N	1:53:B:ALA:N	10	0.69
(2,140)	1:53:C:ALA:CA	1:53:D:ALA:CA	3	0.69
(2,140)	1:53:D:ALA:CA	1:53:E:ALA:CA	5	0.69
(2,140)	1:53:D:ALA:CA	1:53:E:ALA:CA	7	0.69
(2,140)	1:53:B:ALA:CA	1:53:C:ALA:CA	10	0.69
(2,139)	1:53:B:ALA:C	1:53:C:ALA:C	2	0.69
(2,139)	1:53:A:ALA:C	1:53:B:ALA:C	3	0.69
(2,139)	1:53:B:ALA:C	1:53:C:ALA:C	5	0.69
(2,139)	1:53:D:ALA:C	1:53:E:ALA:C	7	0.69
(2,139)	1:53:A:ALA:C	1:53:B:ALA:C	10	0.69
(2,138)	1:53:A:ALA:N	1:53:B:ALA:N	2	0.69
(2,138)	1:53:A:ALA:N	1:53:B:ALA:N	3	0.69
(2,138)	1:53:B:ALA:N	1:53:C:ALA:N	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,138)	1:53:D:ALA:N	1:53:E:ALA:N	7	0.69
(2,138)	1:53:D:ALA:N	1:53:E:ALA:N	8	0.69
(2,138)	1:53:A:ALA:N	1:53:B:ALA:N	10	0.69
(2,137)	1:53:C:ALA:CA	1:53:D:ALA:CA	3	0.69
(2,137)	1:53:D:ALA:CA	1:53:E:ALA:CA	5	0.69
(2,137)	1:53:D:ALA:CA	1:53:E:ALA:CA	7	0.69
(2,137)	1:53:B:ALA:CA	1:53:C:ALA:CA	10	0.69
(2,136)	1:53:B:ALA:C	1:53:C:ALA:C	2	0.69
(2,136)	1:53:A:ALA:C	1:53:B:ALA:C	3	0.69
(2,136)	1:53:B:ALA:C	1:53:C:ALA:C	5	0.69
(2,136)	1:53:D:ALA:C	1:53:E:ALA:C	7	0.69
(2,136)	1:53:A:ALA:C	1:53:B:ALA:C	10	0.69
(2,135)	1:53:A:ALA:N	1:53:B:ALA:N	2	0.69
(2,135)	1:53:A:ALA:N	1:53:B:ALA:N	3	0.69
(2,135)	1:53:B:ALA:N	1:53:C:ALA:N	5	0.69
(2,135)	1:53:D:ALA:N	1:53:E:ALA:N	7	0.69
(2,135)	1:53:D:ALA:N	1:53:E:ALA:N	8	0.69
(2,135)	1:53:A:ALA:N	1:53:B:ALA:N	10	0.69
(2,134)	1:53:C:ALA:CA	1:53:D:ALA:CA	3	0.69
(2,134)	1:53:D:ALA:CA	1:53:E:ALA:CA	5	0.69
(2,134)	1:53:D:ALA:CA	1:53:E:ALA:CA	7	0.69
(2,134)	1:53:B:ALA:CA	1:53:C:ALA:CA	10	0.69
(2,133)	1:53:B:ALA:C	1:53:C:ALA:C	2	0.69
(2,133)	1:53:A:ALA:C	1:53:B:ALA:C	3	0.69
(2,133)	1:53:B:ALA:C	1:53:C:ALA:C	5	0.69
(2,133)	1:53:D:ALA:C	1:53:E:ALA:C	7	0.69
(2,133)	1:53:A:ALA:C	1:53:B:ALA:C	10	0.69
(2,132)	1:52:B:VAL:N	1:52:C:VAL:N	3	0.69
(2,132)	1:52:D:VAL:N	1:52:E:VAL:N	5	0.69
(2,132)	1:52:D:VAL:N	1:52:E:VAL:N	7	0.69
(2,132)	1:52:B:VAL:N	1:52:C:VAL:N	10	0.69
(2,131)	1:52:D:VAL:CA	1:52:E:VAL:CA	3	0.69
(2,131)	1:52:A:VAL:CA	1:52:B:VAL:CA	5	0.69
(2,131)	1:52:D:VAL:CA	1:52:E:VAL:CA	7	0.69
(2,131)	1:52:A:VAL:CA	1:52:B:VAL:CA	8	0.69
(2,131)	1:52:D:VAL:CA	1:52:E:VAL:CA	10	0.69
(2,130)	1:52:C:VAL:C	1:52:D:VAL:C	3	0.69
(2,130)	1:52:B:VAL:C	1:52:C:VAL:C	5	0.69
(2,130)	1:52:A:VAL:C	1:52:B:VAL:C	7	0.69
(2,130)	1:52:D:VAL:C	1:52:E:VAL:C	10	0.69
(2,129)	1:52:B:VAL:N	1:52:C:VAL:N	3	0.69
(2,129)	1:52:D:VAL:N	1:52:E:VAL:N	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,129)	1:52:D:VAL:N	1:52:E:VAL:N	7	0.69
(2,129)	1:52:B:VAL:N	1:52:C:VAL:N	10	0.69
(2,128)	1:52:D:VAL:CA	1:52:E:VAL:CA	3	0.69
(2,128)	1:52:A:VAL:CA	1:52:B:VAL:CA	5	0.69
(2,128)	1:52:D:VAL:CA	1:52:E:VAL:CA	7	0.69
(2,128)	1:52:A:VAL:CA	1:52:B:VAL:CA	8	0.69
(2,128)	1:52:D:VAL:CA	1:52:E:VAL:CA	10	0.69
(2,127)	1:52:C:VAL:C	1:52:D:VAL:C	3	0.69
(2,127)	1:52:B:VAL:C	1:52:C:VAL:C	5	0.69
(2,127)	1:52:A:VAL:C	1:52:B:VAL:C	7	0.69
(2,127)	1:52:D:VAL:C	1:52:E:VAL:C	10	0.69
(2,126)	1:52:B:VAL:N	1:52:C:VAL:N	3	0.69
(2,126)	1:52:D:VAL:N	1:52:E:VAL:N	5	0.69
(2,126)	1:52:D:VAL:N	1:52:E:VAL:N	7	0.69
(2,126)	1:52:B:VAL:N	1:52:C:VAL:N	10	0.69
(2,125)	1:52:D:VAL:CA	1:52:E:VAL:CA	3	0.69
(2,125)	1:52:A:VAL:CA	1:52:B:VAL:CA	5	0.69
(2,125)	1:52:D:VAL:CA	1:52:E:VAL:CA	7	0.69
(2,125)	1:52:A:VAL:CA	1:52:B:VAL:CA	8	0.69
(2,125)	1:52:D:VAL:CA	1:52:E:VAL:CA	10	0.69
(2,124)	1:52:C:VAL:C	1:52:D:VAL:C	3	0.69
(2,124)	1:52:B:VAL:C	1:52:C:VAL:C	5	0.69
(2,124)	1:52:A:VAL:C	1:52:B:VAL:C	7	0.69
(2,124)	1:52:D:VAL:C	1:52:E:VAL:C	10	0.69
(2,123)	1:52:B:VAL:N	1:52:C:VAL:N	3	0.69
(2,123)	1:52:D:VAL:N	1:52:E:VAL:N	5	0.69
(2,123)	1:52:D:VAL:N	1:52:E:VAL:N	7	0.69
(2,123)	1:52:B:VAL:N	1:52:C:VAL:N	10	0.69
(2,122)	1:52:D:VAL:CA	1:52:E:VAL:CA	3	0.69
(2,122)	1:52:A:VAL:CA	1:52:B:VAL:CA	5	0.69
(2,122)	1:52:D:VAL:CA	1:52:E:VAL:CA	7	0.69
(2,122)	1:52:A:VAL:CA	1:52:B:VAL:CA	8	0.69
(2,122)	1:52:D:VAL:CA	1:52:E:VAL:CA	10	0.69
(2,121)	1:52:C:VAL:C	1:52:D:VAL:C	3	0.69
(2,121)	1:52:B:VAL:C	1:52:C:VAL:C	5	0.69
(2,121)	1:52:A:VAL:C	1:52:B:VAL:C	7	0.69
(2,121)	1:52:D:VAL:C	1:52:E:VAL:C	10	0.69
(2,120)	1:50:B:HIS:N	1:50:C:HIS:N	5	0.69
(2,120)	1:50:D:HIS:N	1:50:E:HIS:N	7	0.69
(2,120)	1:50:D:HIS:N	1:50:E:HIS:N	10	0.69
(2,119)	1:50:B:HIS:CA	1:50:C:HIS:CA	2	0.69
(2,119)	1:50:D:HIS:CA	1:50:E:HIS:CA	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,119)	1:50:A:HIS:CA	1:50:B:HIS:CA	5	0.69
(2,119)	1:50:D:HIS:CA	1:50:E:HIS:CA	7	0.69
(2,119)	1:50:B:HIS:CA	1:50:C:HIS:CA	10	0.69
(2,118)	1:50:A:HIS:C	1:50:B:HIS:C	2	0.69
(2,118)	1:50:D:HIS:C	1:50:E:HIS:C	3	0.69
(2,118)	1:50:A:HIS:C	1:50:B:HIS:C	5	0.69
(2,118)	1:50:D:HIS:C	1:50:E:HIS:C	7	0.69
(2,118)	1:50:B:HIS:C	1:50:C:HIS:C	10	0.69
(2,117)	1:50:B:HIS:N	1:50:C:HIS:N	5	0.69
(2,117)	1:50:D:HIS:N	1:50:E:HIS:N	7	0.69
(2,117)	1:50:D:HIS:N	1:50:E:HIS:N	10	0.69
(2,116)	1:50:B:HIS:CA	1:50:C:HIS:CA	2	0.69
(2,116)	1:50:D:HIS:CA	1:50:E:HIS:CA	3	0.69
(2,116)	1:50:A:HIS:CA	1:50:B:HIS:CA	5	0.69
(2,116)	1:50:D:HIS:CA	1:50:E:HIS:CA	7	0.69
(2,116)	1:50:B:HIS:CA	1:50:C:HIS:CA	10	0.69
(2,115)	1:50:A:HIS:C	1:50:B:HIS:C	2	0.69
(2,115)	1:50:D:HIS:C	1:50:E:HIS:C	3	0.69
(2,115)	1:50:A:HIS:C	1:50:B:HIS:C	5	0.69
(2,115)	1:50:D:HIS:C	1:50:E:HIS:C	7	0.69
(2,115)	1:50:B:HIS:C	1:50:C:HIS:C	10	0.69
(2,114)	1:50:B:HIS:N	1:50:C:HIS:N	5	0.69
(2,114)	1:50:D:HIS:N	1:50:E:HIS:N	7	0.69
(2,114)	1:50:D:HIS:N	1:50:E:HIS:N	10	0.69
(2,113)	1:50:B:HIS:CA	1:50:C:HIS:CA	2	0.69
(2,113)	1:50:D:HIS:CA	1:50:E:HIS:CA	3	0.69
(2,113)	1:50:A:HIS:CA	1:50:B:HIS:CA	5	0.69
(2,113)	1:50:D:HIS:CA	1:50:E:HIS:CA	7	0.69
(2,113)	1:50:B:HIS:CA	1:50:C:HIS:CA	10	0.69
(2,112)	1:50:A:HIS:C	1:50:B:HIS:C	2	0.69
(2,112)	1:50:D:HIS:C	1:50:E:HIS:C	3	0.69
(2,112)	1:50:A:HIS:C	1:50:B:HIS:C	5	0.69
(2,112)	1:50:D:HIS:C	1:50:E:HIS:C	7	0.69
(2,112)	1:50:B:HIS:C	1:50:C:HIS:C	10	0.69
(2,111)	1:50:B:HIS:N	1:50:C:HIS:N	5	0.69
(2,111)	1:50:D:HIS:N	1:50:E:HIS:N	7	0.69
(2,111)	1:50:D:HIS:N	1:50:E:HIS:N	10	0.69
(2,110)	1:50:B:HIS:CA	1:50:C:HIS:CA	2	0.69
(2,110)	1:50:D:HIS:CA	1:50:E:HIS:CA	3	0.69
(2,110)	1:50:A:HIS:CA	1:50:B:HIS:CA	5	0.69
(2,110)	1:50:D:HIS:CA	1:50:E:HIS:CA	7	0.69
(2,110)	1:50:B:HIS:CA	1:50:C:HIS:CA	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:50:A:HIS:C	1:50:B:HIS:C	2	0.69
(2,109)	1:50:D:HIS:C	1:50:E:HIS:C	3	0.69
(2,109)	1:50:A:HIS:C	1:50:B:HIS:C	5	0.69
(2,109)	1:50:D:HIS:C	1:50:E:HIS:C	7	0.69
(2,109)	1:50:B:HIS:C	1:50:C:HIS:C	10	0.69
(2,108)	1:49:A:VAL:N	1:49:B:VAL:N	2	0.69
(2,108)	1:49:A:VAL:N	1:49:B:VAL:N	3	0.69
(2,108)	1:49:B:VAL:N	1:49:C:VAL:N	5	0.69
(2,108)	1:49:D:VAL:N	1:49:E:VAL:N	7	0.69
(2,108)	1:49:A:VAL:N	1:49:B:VAL:N	8	0.69
(2,108)	1:49:D:VAL:N	1:49:E:VAL:N	10	0.69
(2,107)	1:49:A:VAL:CA	1:49:B:VAL:CA	5	0.69
(2,107)	1:49:D:VAL:CA	1:49:E:VAL:CA	7	0.69
(2,107)	1:49:B:VAL:CA	1:49:C:VAL:CA	10	0.69
(2,106)	1:49:C:VAL:C	1:49:D:VAL:C	3	0.69
(2,106)	1:49:A:VAL:C	1:49:B:VAL:C	5	0.69
(2,106)	1:49:D:VAL:C	1:49:E:VAL:C	7	0.69
(2,106)	1:49:A:VAL:C	1:49:B:VAL:C	10	0.69
(2,105)	1:49:A:VAL:N	1:49:B:VAL:N	2	0.69
(2,105)	1:49:A:VAL:N	1:49:B:VAL:N	3	0.69
(2,105)	1:49:B:VAL:N	1:49:C:VAL:N	5	0.69
(2,105)	1:49:D:VAL:N	1:49:E:VAL:N	7	0.69
(2,105)	1:49:A:VAL:N	1:49:B:VAL:N	8	0.69
(2,105)	1:49:D:VAL:N	1:49:E:VAL:N	10	0.69
(2,104)	1:49:A:VAL:CA	1:49:B:VAL:CA	5	0.69
(2,104)	1:49:D:VAL:CA	1:49:E:VAL:CA	7	0.69
(2,104)	1:49:B:VAL:CA	1:49:C:VAL:CA	10	0.69
(2,103)	1:49:C:VAL:C	1:49:D:VAL:C	3	0.69
(2,103)	1:49:A:VAL:C	1:49:B:VAL:C	5	0.69
(2,103)	1:49:D:VAL:C	1:49:E:VAL:C	7	0.69
(2,103)	1:49:A:VAL:C	1:49:B:VAL:C	10	0.69
(2,102)	1:49:A:VAL:N	1:49:B:VAL:N	2	0.69
(2,102)	1:49:A:VAL:N	1:49:B:VAL:N	3	0.69
(2,102)	1:49:B:VAL:N	1:49:C:VAL:N	5	0.69
(2,102)	1:49:D:VAL:N	1:49:E:VAL:N	7	0.69
(2,102)	1:49:A:VAL:N	1:49:B:VAL:N	8	0.69
(2,102)	1:49:D:VAL:N	1:49:E:VAL:N	10	0.69
(2,101)	1:49:A:VAL:CA	1:49:B:VAL:CA	5	0.69
(2,101)	1:49:D:VAL:CA	1:49:E:VAL:CA	7	0.69
(2,101)	1:49:B:VAL:CA	1:49:C:VAL:CA	10	0.69
(2,100)	1:49:C:VAL:C	1:49:D:VAL:C	3	0.69
(2,100)	1:49:A:VAL:C	1:49:B:VAL:C	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,100)	1:49:D:VAL:C	1:49:E:VAL:C	7	0.69
(2,100)	1:49:A:VAL:C	1:49:B:VAL:C	10	0.69
(2,99)	1:49:A:VAL:N	1:49:B:VAL:N	2	0.69
(2,99)	1:49:A:VAL:N	1:49:B:VAL:N	3	0.69
(2,99)	1:49:B:VAL:N	1:49:C:VAL:N	5	0.69
(2,99)	1:49:D:VAL:N	1:49:E:VAL:N	7	0.69
(2,99)	1:49:A:VAL:N	1:49:B:VAL:N	8	0.69
(2,99)	1:49:D:VAL:N	1:49:E:VAL:N	10	0.69
(2,98)	1:49:A:VAL:CA	1:49:B:VAL:CA	5	0.69
(2,98)	1:49:D:VAL:CA	1:49:E:VAL:CA	7	0.69
(2,98)	1:49:B:VAL:CA	1:49:C:VAL:CA	10	0.69
(2,97)	1:49:C:VAL:C	1:49:D:VAL:C	3	0.69
(2,97)	1:49:A:VAL:C	1:49:B:VAL:C	5	0.69
(2,97)	1:49:D:VAL:C	1:49:E:VAL:C	7	0.69
(2,97)	1:49:A:VAL:C	1:49:B:VAL:C	10	0.69
(2,96)	1:48:B:VAL:N	1:48:C:VAL:N	3	0.69
(2,96)	1:48:B:VAL:N	1:48:C:VAL:N	5	0.69
(2,96)	1:48:D:VAL:N	1:48:E:VAL:N	7	0.69
(2,96)	1:48:A:VAL:N	1:48:B:VAL:N	8	0.69
(2,96)	1:48:B:VAL:N	1:48:C:VAL:N	10	0.69
(2,95)	1:48:A:VAL:CA	1:48:B:VAL:CA	5	0.69
(2,95)	1:48:D:VAL:CA	1:48:E:VAL:CA	7	0.69
(2,95)	1:48:C:VAL:CA	1:48:D:VAL:CA	8	0.69
(2,95)	1:48:B:VAL:CA	1:48:C:VAL:CA	10	0.69
(2,94)	1:48:C:VAL:C	1:48:D:VAL:C	3	0.69
(2,94)	1:48:A:VAL:C	1:48:B:VAL:C	5	0.69
(2,94)	1:48:D:VAL:C	1:48:E:VAL:C	7	0.69
(2,94)	1:48:C:VAL:C	1:48:D:VAL:C	10	0.69
(2,93)	1:48:B:VAL:N	1:48:C:VAL:N	3	0.69
(2,93)	1:48:B:VAL:N	1:48:C:VAL:N	5	0.69
(2,93)	1:48:D:VAL:N	1:48:E:VAL:N	7	0.69
(2,93)	1:48:A:VAL:N	1:48:B:VAL:N	8	0.69
(2,93)	1:48:B:VAL:N	1:48:C:VAL:N	10	0.69
(2,92)	1:48:A:VAL:CA	1:48:B:VAL:CA	5	0.69
(2,92)	1:48:D:VAL:CA	1:48:E:VAL:CA	7	0.69
(2,92)	1:48:C:VAL:CA	1:48:D:VAL:CA	8	0.69
(2,92)	1:48:B:VAL:CA	1:48:C:VAL:CA	10	0.69
(2,91)	1:48:C:VAL:C	1:48:D:VAL:C	3	0.69
(2,91)	1:48:A:VAL:C	1:48:B:VAL:C	5	0.69
(2,91)	1:48:D:VAL:C	1:48:E:VAL:C	7	0.69
(2,91)	1:48:C:VAL:C	1:48:D:VAL:C	10	0.69
(2,90)	1:48:B:VAL:N	1:48:C:VAL:N	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,90)	1:48:B:VAL:N	1:48:C:VAL:N	5	0.69
(2,90)	1:48:D:VAL:N	1:48:E:VAL:N	7	0.69
(2,90)	1:48:A:VAL:N	1:48:B:VAL:N	8	0.69
(2,90)	1:48:B:VAL:N	1:48:C:VAL:N	10	0.69
(2,89)	1:48:A:VAL:CA	1:48:B:VAL:CA	5	0.69
(2,89)	1:48:D:VAL:CA	1:48:E:VAL:CA	7	0.69
(2,89)	1:48:C:VAL:CA	1:48:D:VAL:CA	8	0.69
(2,89)	1:48:B:VAL:CA	1:48:C:VAL:CA	10	0.69
(2,88)	1:48:C:VAL:C	1:48:D:VAL:C	3	0.69
(2,88)	1:48:A:VAL:C	1:48:B:VAL:C	5	0.69
(2,88)	1:48:D:VAL:C	1:48:E:VAL:C	7	0.69
(2,88)	1:48:C:VAL:C	1:48:D:VAL:C	10	0.69
(2,87)	1:48:B:VAL:N	1:48:C:VAL:N	3	0.69
(2,87)	1:48:B:VAL:N	1:48:C:VAL:N	5	0.69
(2,87)	1:48:D:VAL:N	1:48:E:VAL:N	7	0.69
(2,87)	1:48:A:VAL:N	1:48:B:VAL:N	8	0.69
(2,87)	1:48:B:VAL:N	1:48:C:VAL:N	10	0.69
(2,86)	1:48:A:VAL:CA	1:48:B:VAL:CA	5	0.69
(2,86)	1:48:D:VAL:CA	1:48:E:VAL:CA	7	0.69
(2,86)	1:48:C:VAL:CA	1:48:D:VAL:CA	8	0.69
(2,86)	1:48:B:VAL:CA	1:48:C:VAL:CA	10	0.69
(2,85)	1:48:C:VAL:C	1:48:D:VAL:C	3	0.69
(2,85)	1:48:A:VAL:C	1:48:B:VAL:C	5	0.69
(2,85)	1:48:D:VAL:C	1:48:E:VAL:C	7	0.69
(2,85)	1:48:C:VAL:C	1:48:D:VAL:C	10	0.69
(2,84)	1:46:A:GLU:N	1:46:B:GLU:N	5	0.69
(2,84)	1:46:D:GLU:N	1:46:E:GLU:N	7	0.69
(2,84)	1:46:D:GLU:N	1:46:E:GLU:N	10	0.69
(2,83)	1:46:B:GLU:CA	1:46:C:GLU:CA	3	0.69
(2,83)	1:46:A:GLU:CA	1:46:B:GLU:CA	5	0.69
(2,83)	1:46:D:GLU:CA	1:46:E:GLU:CA	7	0.69
(2,83)	1:46:B:GLU:CA	1:46:C:GLU:CA	10	0.69
(2,82)	1:46:D:GLU:C	1:46:E:GLU:C	3	0.69
(2,82)	1:46:B:GLU:C	1:46:C:GLU:C	5	0.69
(2,82)	1:46:D:GLU:C	1:46:E:GLU:C	7	0.69
(2,82)	1:46:D:GLU:C	1:46:E:GLU:C	10	0.69
(2,81)	1:46:A:GLU:N	1:46:B:GLU:N	5	0.69
(2,81)	1:46:D:GLU:N	1:46:E:GLU:N	7	0.69
(2,81)	1:46:D:GLU:N	1:46:E:GLU:N	10	0.69
(2,80)	1:46:B:GLU:CA	1:46:C:GLU:CA	3	0.69
(2,80)	1:46:A:GLU:CA	1:46:B:GLU:CA	5	0.69
(2,80)	1:46:D:GLU:CA	1:46:E:GLU:CA	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,80)	1:46:B:GLU:CA	1:46:C:GLU:CA	10	0.69
(2,79)	1:46:D:GLU:C	1:46:E:GLU:C	3	0.69
(2,79)	1:46:B:GLU:C	1:46:C:GLU:C	5	0.69
(2,79)	1:46:D:GLU:C	1:46:E:GLU:C	7	0.69
(2,79)	1:46:D:GLU:C	1:46:E:GLU:C	10	0.69
(2,78)	1:46:A:GLU:N	1:46:B:GLU:N	5	0.69
(2,78)	1:46:D:GLU:N	1:46:E:GLU:N	7	0.69
(2,78)	1:46:D:GLU:N	1:46:E:GLU:N	10	0.69
(2,77)	1:46:B:GLU:CA	1:46:C:GLU:CA	3	0.69
(2,77)	1:46:A:GLU:CA	1:46:B:GLU:CA	5	0.69
(2,77)	1:46:D:GLU:CA	1:46:E:GLU:CA	7	0.69
(2,77)	1:46:B:GLU:CA	1:46:C:GLU:CA	10	0.69
(2,76)	1:46:D:GLU:C	1:46:E:GLU:C	3	0.69
(2,76)	1:46:B:GLU:C	1:46:C:GLU:C	5	0.69
(2,76)	1:46:D:GLU:C	1:46:E:GLU:C	7	0.69
(2,76)	1:46:D:GLU:C	1:46:E:GLU:C	10	0.69
(2,75)	1:46:A:GLU:N	1:46:B:GLU:N	5	0.69
(2,75)	1:46:D:GLU:N	1:46:E:GLU:N	7	0.69
(2,75)	1:46:D:GLU:N	1:46:E:GLU:N	10	0.69
(2,74)	1:46:B:GLU:CA	1:46:C:GLU:CA	3	0.69
(2,74)	1:46:A:GLU:CA	1:46:B:GLU:CA	5	0.69
(2,74)	1:46:D:GLU:CA	1:46:E:GLU:CA	7	0.69
(2,74)	1:46:B:GLU:CA	1:46:C:GLU:CA	10	0.69
(2,73)	1:46:D:GLU:C	1:46:E:GLU:C	3	0.69
(2,73)	1:46:B:GLU:C	1:46:C:GLU:C	5	0.69
(2,73)	1:46:D:GLU:C	1:46:E:GLU:C	7	0.69
(2,73)	1:46:D:GLU:C	1:46:E:GLU:C	10	0.69
(2,72)	1:45:A:LYS:N	1:45:B:LYS:N	3	0.69
(2,72)	1:45:B:LYS:N	1:45:C:LYS:N	5	0.69
(2,72)	1:45:D:LYS:N	1:45:E:LYS:N	7	0.69
(2,72)	1:45:C:LYS:N	1:45:D:LYS:N	8	0.69
(2,72)	1:45:A:LYS:N	1:45:B:LYS:N	10	0.69
(2,71)	1:45:C:LYS:CA	1:45:D:LYS:CA	3	0.69
(2,71)	1:45:A:LYS:CA	1:45:B:LYS:CA	5	0.69
(2,71)	1:45:D:LYS:CA	1:45:E:LYS:CA	7	0.69
(2,71)	1:45:D:LYS:CA	1:45:E:LYS:CA	8	0.69
(2,71)	1:45:A:LYS:CA	1:45:B:LYS:CA	10	0.69
(2,70)	1:45:A:LYS:C	1:45:B:LYS:C	5	0.69
(2,70)	1:45:C:LYS:C	1:45:D:LYS:C	7	0.69
(2,70)	1:45:A:LYS:C	1:45:B:LYS:C	8	0.69
(2,70)	1:45:D:LYS:C	1:45:E:LYS:C	10	0.69
(2,69)	1:45:A:LYS:N	1:45:B:LYS:N	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,69)	1:45:B:LYS:N	1:45:C:LYS:N	5	0.69
(2,69)	1:45:D:LYS:N	1:45:E:LYS:N	7	0.69
(2,69)	1:45:C:LYS:N	1:45:D:LYS:N	8	0.69
(2,69)	1:45:A:LYS:N	1:45:B:LYS:N	10	0.69
(2,68)	1:45:C:LYS:CA	1:45:D:LYS:CA	3	0.69
(2,68)	1:45:A:LYS:CA	1:45:B:LYS:CA	5	0.69
(2,68)	1:45:D:LYS:CA	1:45:E:LYS:CA	7	0.69
(2,68)	1:45:D:LYS:CA	1:45:E:LYS:CA	8	0.69
(2,68)	1:45:A:LYS:CA	1:45:B:LYS:CA	10	0.69
(2,67)	1:45:A:LYS:C	1:45:B:LYS:C	5	0.69
(2,67)	1:45:C:LYS:C	1:45:D:LYS:C	7	0.69
(2,67)	1:45:A:LYS:C	1:45:B:LYS:C	8	0.69
(2,67)	1:45:D:LYS:C	1:45:E:LYS:C	10	0.69
(2,66)	1:45:A:LYS:N	1:45:B:LYS:N	3	0.69
(2,66)	1:45:B:LYS:N	1:45:C:LYS:N	5	0.69
(2,66)	1:45:D:LYS:N	1:45:E:LYS:N	7	0.69
(2,66)	1:45:C:LYS:N	1:45:D:LYS:N	8	0.69
(2,66)	1:45:A:LYS:N	1:45:B:LYS:N	10	0.69
(2,65)	1:45:C:LYS:CA	1:45:D:LYS:CA	3	0.69
(2,65)	1:45:A:LYS:CA	1:45:B:LYS:CA	5	0.69
(2,65)	1:45:D:LYS:CA	1:45:E:LYS:CA	7	0.69
(2,65)	1:45:D:LYS:CA	1:45:E:LYS:CA	8	0.69
(2,65)	1:45:A:LYS:CA	1:45:B:LYS:CA	10	0.69
(2,64)	1:45:A:LYS:C	1:45:B:LYS:C	5	0.69
(2,64)	1:45:C:LYS:C	1:45:D:LYS:C	7	0.69
(2,64)	1:45:A:LYS:C	1:45:B:LYS:C	8	0.69
(2,64)	1:45:D:LYS:C	1:45:E:LYS:C	10	0.69
(2,63)	1:45:A:LYS:N	1:45:B:LYS:N	3	0.69
(2,63)	1:45:B:LYS:N	1:45:C:LYS:N	5	0.69
(2,63)	1:45:D:LYS:N	1:45:E:LYS:N	7	0.69
(2,63)	1:45:C:LYS:N	1:45:D:LYS:N	8	0.69
(2,63)	1:45:A:LYS:N	1:45:B:LYS:N	10	0.69
(2,62)	1:45:C:LYS:CA	1:45:D:LYS:CA	3	0.69
(2,62)	1:45:A:LYS:CA	1:45:B:LYS:CA	5	0.69
(2,62)	1:45:D:LYS:CA	1:45:E:LYS:CA	7	0.69
(2,62)	1:45:D:LYS:CA	1:45:E:LYS:CA	8	0.69
(2,62)	1:45:A:LYS:CA	1:45:B:LYS:CA	10	0.69
(2,61)	1:45:A:LYS:C	1:45:B:LYS:C	5	0.69
(2,61)	1:45:C:LYS:C	1:45:D:LYS:C	7	0.69
(2,61)	1:45:A:LYS:C	1:45:B:LYS:C	8	0.69
(2,61)	1:45:D:LYS:C	1:45:E:LYS:C	10	0.69
(2,60)	1:44:D:THR:N	1:44:E:THR:N	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:44:D:THR:N	1:44:E:THR:N	3	0.69
(2,60)	1:44:B:THR:N	1:44:C:THR:N	5	0.69
(2,60)	1:44:D:THR:N	1:44:E:THR:N	7	0.69
(2,60)	1:44:B:THR:N	1:44:C:THR:N	8	0.69
(2,60)	1:44:B:THR:N	1:44:C:THR:N	10	0.69
(2,59)	1:44:A:THR:CA	1:44:B:THR:CA	5	0.69
(2,59)	1:44:D:THR:CA	1:44:E:THR:CA	7	0.69
(2,59)	1:44:B:THR:CA	1:44:C:THR:CA	10	0.69
(2,58)	1:44:B:THR:C	1:44:C:THR:C	3	0.69
(2,58)	1:44:D:THR:C	1:44:E:THR:C	5	0.69
(2,58)	1:44:D:THR:C	1:44:E:THR:C	7	0.69
(2,58)	1:44:A:THR:C	1:44:B:THR:C	10	0.69
(2,57)	1:44:D:THR:N	1:44:E:THR:N	2	0.69
(2,57)	1:44:D:THR:N	1:44:E:THR:N	3	0.69
(2,57)	1:44:B:THR:N	1:44:C:THR:N	5	0.69
(2,57)	1:44:D:THR:N	1:44:E:THR:N	7	0.69
(2,57)	1:44:B:THR:N	1:44:C:THR:N	8	0.69
(2,57)	1:44:B:THR:N	1:44:C:THR:N	10	0.69
(2,56)	1:44:A:THR:CA	1:44:B:THR:CA	5	0.69
(2,56)	1:44:D:THR:CA	1:44:E:THR:CA	7	0.69
(2,56)	1:44:B:THR:CA	1:44:C:THR:CA	10	0.69
(2,55)	1:44:B:THR:C	1:44:C:THR:C	3	0.69
(2,55)	1:44:D:THR:C	1:44:E:THR:C	5	0.69
(2,55)	1:44:D:THR:C	1:44:E:THR:C	7	0.69
(2,55)	1:44:A:THR:C	1:44:B:THR:C	10	0.69
(2,54)	1:44:D:THR:N	1:44:E:THR:N	2	0.69
(2,54)	1:44:D:THR:N	1:44:E:THR:N	3	0.69
(2,54)	1:44:B:THR:N	1:44:C:THR:N	5	0.69
(2,54)	1:44:D:THR:N	1:44:E:THR:N	7	0.69
(2,54)	1:44:B:THR:N	1:44:C:THR:N	8	0.69
(2,54)	1:44:B:THR:N	1:44:C:THR:N	10	0.69
(2,53)	1:44:A:THR:CA	1:44:B:THR:CA	5	0.69
(2,53)	1:44:D:THR:CA	1:44:E:THR:CA	7	0.69
(2,53)	1:44:B:THR:CA	1:44:C:THR:CA	10	0.69
(2,52)	1:44:B:THR:C	1:44:C:THR:C	3	0.69
(2,52)	1:44:D:THR:C	1:44:E:THR:C	5	0.69
(2,52)	1:44:D:THR:C	1:44:E:THR:C	7	0.69
(2,52)	1:44:A:THR:C	1:44:B:THR:C	10	0.69
(2,51)	1:44:D:THR:N	1:44:E:THR:N	2	0.69
(2,51)	1:44:D:THR:N	1:44:E:THR:N	3	0.69
(2,51)	1:44:B:THR:N	1:44:C:THR:N	5	0.69
(2,51)	1:44:D:THR:N	1:44:E:THR:N	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:44:B:THR:N	1:44:C:THR:N	8	0.69
(2,51)	1:44:B:THR:N	1:44:C:THR:N	10	0.69
(2,50)	1:44:A:THR:CA	1:44:B:THR:CA	5	0.69
(2,50)	1:44:D:THR:CA	1:44:E:THR:CA	7	0.69
(2,50)	1:44:B:THR:CA	1:44:C:THR:CA	10	0.69
(2,49)	1:44:B:THR:C	1:44:C:THR:C	3	0.69
(2,49)	1:44:D:THR:C	1:44:E:THR:C	5	0.69
(2,49)	1:44:D:THR:C	1:44:E:THR:C	7	0.69
(2,49)	1:44:A:THR:C	1:44:B:THR:C	10	0.69
(2,48)	1:43:A:LYS:N	1:43:B:LYS:N	3	0.69
(2,48)	1:43:B:LYS:N	1:43:C:LYS:N	5	0.69
(2,48)	1:43:D:LYS:N	1:43:E:LYS:N	7	0.69
(2,48)	1:43:B:LYS:N	1:43:C:LYS:N	10	0.69
(2,47)	1:43:B:LYS:CA	1:43:C:LYS:CA	3	0.69
(2,47)	1:43:B:LYS:CA	1:43:C:LYS:CA	5	0.69
(2,47)	1:43:B:LYS:CA	1:43:C:LYS:CA	7	0.69
(2,47)	1:43:A:LYS:CA	1:43:B:LYS:CA	8	0.69
(2,47)	1:43:D:LYS:CA	1:43:E:LYS:CA	10	0.69
(2,46)	1:43:B:LYS:C	1:43:C:LYS:C	2	0.69
(2,46)	1:43:B:LYS:C	1:43:C:LYS:C	3	0.69
(2,46)	1:43:D:LYS:C	1:43:E:LYS:C	5	0.69
(2,46)	1:43:C:LYS:C	1:43:D:LYS:C	7	0.69
(2,46)	1:43:C:LYS:C	1:43:D:LYS:C	10	0.69
(2,45)	1:43:A:LYS:N	1:43:B:LYS:N	3	0.69
(2,45)	1:43:B:LYS:N	1:43:C:LYS:N	5	0.69
(2,45)	1:43:D:LYS:N	1:43:E:LYS:N	7	0.69
(2,45)	1:43:B:LYS:N	1:43:C:LYS:N	10	0.69
(2,44)	1:43:B:LYS:CA	1:43:C:LYS:CA	3	0.69
(2,44)	1:43:B:LYS:CA	1:43:C:LYS:CA	5	0.69
(2,44)	1:43:B:LYS:CA	1:43:C:LYS:CA	7	0.69
(2,44)	1:43:A:LYS:CA	1:43:B:LYS:CA	8	0.69
(2,44)	1:43:D:LYS:CA	1:43:E:LYS:CA	10	0.69
(2,43)	1:43:B:LYS:C	1:43:C:LYS:C	2	0.69
(2,43)	1:43:B:LYS:C	1:43:C:LYS:C	3	0.69
(2,43)	1:43:D:LYS:C	1:43:E:LYS:C	5	0.69
(2,43)	1:43:C:LYS:C	1:43:D:LYS:C	7	0.69
(2,43)	1:43:C:LYS:C	1:43:D:LYS:C	10	0.69
(2,42)	1:43:A:LYS:N	1:43:B:LYS:N	3	0.69
(2,42)	1:43:B:LYS:N	1:43:C:LYS:N	5	0.69
(2,42)	1:43:D:LYS:N	1:43:E:LYS:N	7	0.69
(2,42)	1:43:B:LYS:N	1:43:C:LYS:N	10	0.69
(2,41)	1:43:B:LYS:CA	1:43:C:LYS:CA	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,41)	1:43:B:LYS:CA	1:43:C:LYS:CA	5	0.69
(2,41)	1:43:B:LYS:CA	1:43:C:LYS:CA	7	0.69
(2,41)	1:43:A:LYS:CA	1:43:B:LYS:CA	8	0.69
(2,41)	1:43:D:LYS:CA	1:43:E:LYS:CA	10	0.69
(2,40)	1:43:B:LYS:C	1:43:C:LYS:C	2	0.69
(2,40)	1:43:B:LYS:C	1:43:C:LYS:C	3	0.69
(2,40)	1:43:D:LYS:C	1:43:E:LYS:C	5	0.69
(2,40)	1:43:C:LYS:C	1:43:D:LYS:C	7	0.69
(2,40)	1:43:C:LYS:C	1:43:D:LYS:C	10	0.69
(2,39)	1:43:A:LYS:N	1:43:B:LYS:N	3	0.69
(2,39)	1:43:B:LYS:N	1:43:C:LYS:N	5	0.69
(2,39)	1:43:D:LYS:N	1:43:E:LYS:N	7	0.69
(2,39)	1:43:B:LYS:N	1:43:C:LYS:N	10	0.69
(2,38)	1:43:B:LYS:CA	1:43:C:LYS:CA	3	0.69
(2,38)	1:43:B:LYS:CA	1:43:C:LYS:CA	5	0.69
(2,38)	1:43:B:LYS:CA	1:43:C:LYS:CA	7	0.69
(2,38)	1:43:A:LYS:CA	1:43:B:LYS:CA	8	0.69
(2,38)	1:43:D:LYS:CA	1:43:E:LYS:CA	10	0.69
(2,37)	1:43:B:LYS:C	1:43:C:LYS:C	2	0.69
(2,37)	1:43:B:LYS:C	1:43:C:LYS:C	3	0.69
(2,37)	1:43:D:LYS:C	1:43:E:LYS:C	5	0.69
(2,37)	1:43:C:LYS:C	1:43:D:LYS:C	7	0.69
(2,37)	1:43:C:LYS:C	1:43:D:LYS:C	10	0.69
(2,36)	1:41:C:GLY:N	1:41:D:GLY:N	3	0.69
(2,36)	1:41:B:GLY:N	1:41:C:GLY:N	5	0.69
(2,36)	1:41:D:GLY:N	1:41:E:GLY:N	7	0.69
(2,36)	1:41:B:GLY:N	1:41:C:GLY:N	8	0.69
(2,36)	1:41:D:GLY:N	1:41:E:GLY:N	10	0.69
(2,35)	1:41:A:GLY:CA	1:41:B:GLY:CA	3	0.69
(2,35)	1:41:D:GLY:CA	1:41:E:GLY:CA	5	0.69
(2,35)	1:41:D:GLY:CA	1:41:E:GLY:CA	7	0.69
(2,35)	1:41:C:GLY:CA	1:41:D:GLY:CA	10	0.69
(2,34)	1:41:B:GLY:C	1:41:C:GLY:C	2	0.69
(2,34)	1:41:C:GLY:C	1:41:D:GLY:C	3	0.69
(2,34)	1:41:A:GLY:C	1:41:B:GLY:C	5	0.69
(2,34)	1:41:D:GLY:C	1:41:E:GLY:C	7	0.69
(2,34)	1:41:D:GLY:C	1:41:E:GLY:C	10	0.69
(2,33)	1:41:C:GLY:N	1:41:D:GLY:N	3	0.69
(2,33)	1:41:B:GLY:N	1:41:C:GLY:N	5	0.69
(2,33)	1:41:D:GLY:N	1:41:E:GLY:N	7	0.69
(2,33)	1:41:B:GLY:N	1:41:C:GLY:N	8	0.69
(2,33)	1:41:D:GLY:N	1:41:E:GLY:N	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:41:A:GLY:CA	1:41:B:GLY:CA	3	0.69
(2,32)	1:41:D:GLY:CA	1:41:E:GLY:CA	5	0.69
(2,32)	1:41:D:GLY:CA	1:41:E:GLY:CA	7	0.69
(2,32)	1:41:C:GLY:CA	1:41:D:GLY:CA	10	0.69
(2,31)	1:41:B:GLY:C	1:41:C:GLY:C	2	0.69
(2,31)	1:41:C:GLY:C	1:41:D:GLY:C	3	0.69
(2,31)	1:41:A:GLY:C	1:41:B:GLY:C	5	0.69
(2,31)	1:41:D:GLY:C	1:41:E:GLY:C	7	0.69
(2,31)	1:41:D:GLY:C	1:41:E:GLY:C	10	0.69
(2,30)	1:41:C:GLY:N	1:41:D:GLY:N	3	0.69
(2,30)	1:41:B:GLY:N	1:41:C:GLY:N	5	0.69
(2,30)	1:41:D:GLY:N	1:41:E:GLY:N	7	0.69
(2,30)	1:41:B:GLY:N	1:41:C:GLY:N	8	0.69
(2,30)	1:41:D:GLY:N	1:41:E:GLY:N	10	0.69
(2,29)	1:41:A:GLY:CA	1:41:B:GLY:CA	3	0.69
(2,29)	1:41:D:GLY:CA	1:41:E:GLY:CA	5	0.69
(2,29)	1:41:D:GLY:CA	1:41:E:GLY:CA	7	0.69
(2,29)	1:41:C:GLY:CA	1:41:D:GLY:CA	10	0.69
(2,28)	1:41:B:GLY:C	1:41:C:GLY:C	2	0.69
(2,28)	1:41:C:GLY:C	1:41:D:GLY:C	3	0.69
(2,28)	1:41:A:GLY:C	1:41:B:GLY:C	5	0.69
(2,28)	1:41:D:GLY:C	1:41:E:GLY:C	7	0.69
(2,28)	1:41:D:GLY:C	1:41:E:GLY:C	10	0.69
(2,27)	1:41:C:GLY:N	1:41:D:GLY:N	3	0.69
(2,27)	1:41:B:GLY:N	1:41:C:GLY:N	5	0.69
(2,27)	1:41:D:GLY:N	1:41:E:GLY:N	7	0.69
(2,27)	1:41:B:GLY:N	1:41:C:GLY:N	8	0.69
(2,27)	1:41:D:GLY:N	1:41:E:GLY:N	10	0.69
(2,26)	1:41:A:GLY:CA	1:41:B:GLY:CA	3	0.69
(2,26)	1:41:D:GLY:CA	1:41:E:GLY:CA	5	0.69
(2,26)	1:41:D:GLY:CA	1:41:E:GLY:CA	7	0.69
(2,26)	1:41:C:GLY:CA	1:41:D:GLY:CA	10	0.69
(2,25)	1:41:B:GLY:C	1:41:C:GLY:C	2	0.69
(2,25)	1:41:C:GLY:C	1:41:D:GLY:C	3	0.69
(2,25)	1:41:A:GLY:C	1:41:B:GLY:C	5	0.69
(2,25)	1:41:D:GLY:C	1:41:E:GLY:C	7	0.69
(2,25)	1:41:D:GLY:C	1:41:E:GLY:C	10	0.69
(2,24)	1:40:D:VAL:N	1:40:E:VAL:N	2	0.69
(2,24)	1:40:C:VAL:N	1:40:D:VAL:N	3	0.69
(2,24)	1:40:A:VAL:N	1:40:B:VAL:N	5	0.69
(2,24)	1:40:A:VAL:N	1:40:B:VAL:N	7	0.69
(2,24)	1:40:D:VAL:N	1:40:E:VAL:N	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,23)	1:40:B:VAL:CA	1:40:C:VAL:CA	2	0.69
(2,23)	1:40:B:VAL:CA	1:40:C:VAL:CA	5	0.69
(2,23)	1:40:C:VAL:CA	1:40:D:VAL:CA	7	0.69
(2,23)	1:40:A:VAL:CA	1:40:B:VAL:CA	10	0.69
(2,22)	1:40:B:VAL:C	1:40:C:VAL:C	5	0.69
(2,22)	1:40:D:VAL:C	1:40:E:VAL:C	7	0.69
(2,22)	1:40:C:VAL:C	1:40:D:VAL:C	10	0.69
(2,21)	1:40:D:VAL:N	1:40:E:VAL:N	2	0.69
(2,21)	1:40:C:VAL:N	1:40:D:VAL:N	3	0.69
(2,21)	1:40:A:VAL:N	1:40:B:VAL:N	5	0.69
(2,21)	1:40:A:VAL:N	1:40:B:VAL:N	7	0.69
(2,21)	1:40:D:VAL:N	1:40:E:VAL:N	10	0.69
(2,20)	1:40:B:VAL:CA	1:40:C:VAL:CA	2	0.69
(2,20)	1:40:B:VAL:CA	1:40:C:VAL:CA	5	0.69
(2,20)	1:40:C:VAL:CA	1:40:D:VAL:CA	7	0.69
(2,20)	1:40:A:VAL:CA	1:40:B:VAL:CA	10	0.69
(2,19)	1:40:B:VAL:C	1:40:C:VAL:C	5	0.69
(2,19)	1:40:D:VAL:C	1:40:E:VAL:C	7	0.69
(2,19)	1:40:C:VAL:C	1:40:D:VAL:C	10	0.69
(2,18)	1:40:D:VAL:N	1:40:E:VAL:N	2	0.69
(2,18)	1:40:C:VAL:N	1:40:D:VAL:N	3	0.69
(2,18)	1:40:A:VAL:N	1:40:B:VAL:N	5	0.69
(2,18)	1:40:A:VAL:N	1:40:B:VAL:N	7	0.69
(2,18)	1:40:D:VAL:N	1:40:E:VAL:N	10	0.69
(2,17)	1:40:B:VAL:CA	1:40:C:VAL:CA	2	0.69
(2,17)	1:40:B:VAL:CA	1:40:C:VAL:CA	5	0.69
(2,17)	1:40:C:VAL:CA	1:40:D:VAL:CA	7	0.69
(2,17)	1:40:A:VAL:CA	1:40:B:VAL:CA	10	0.69
(2,16)	1:40:B:VAL:C	1:40:C:VAL:C	5	0.69
(2,16)	1:40:D:VAL:C	1:40:E:VAL:C	7	0.69
(2,16)	1:40:C:VAL:C	1:40:D:VAL:C	10	0.69
(2,15)	1:40:D:VAL:N	1:40:E:VAL:N	2	0.69
(2,15)	1:40:C:VAL:N	1:40:D:VAL:N	3	0.69
(2,15)	1:40:A:VAL:N	1:40:B:VAL:N	5	0.69
(2,15)	1:40:A:VAL:N	1:40:B:VAL:N	7	0.69
(2,15)	1:40:D:VAL:N	1:40:E:VAL:N	10	0.69
(2,14)	1:40:B:VAL:CA	1:40:C:VAL:CA	2	0.69
(2,14)	1:40:B:VAL:CA	1:40:C:VAL:CA	5	0.69
(2,14)	1:40:C:VAL:CA	1:40:D:VAL:CA	7	0.69
(2,14)	1:40:A:VAL:CA	1:40:B:VAL:CA	10	0.69
(2,13)	1:40:B:VAL:C	1:40:C:VAL:C	5	0.69
(2,13)	1:40:D:VAL:C	1:40:E:VAL:C	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,13)	1:40:C:VAL:C	1:40:D:VAL:C	10	0.69
(2,12)	1:39:C:TYR:N	1:39:D:TYR:N	3	0.69
(2,12)	1:39:B:TYR:N	1:39:C:TYR:N	5	0.69
(2,12)	1:39:D:TYR:N	1:39:E:TYR:N	7	0.69
(2,12)	1:39:D:TYR:N	1:39:E:TYR:N	8	0.69
(2,12)	1:39:A:TYR:N	1:39:B:TYR:N	10	0.69
(2,11)	1:39:C:TYR:CA	1:39:D:TYR:CA	2	0.69
(2,11)	1:39:C:TYR:CA	1:39:D:TYR:CA	3	0.69
(2,11)	1:39:B:TYR:CA	1:39:C:TYR:CA	5	0.69
(2,11)	1:39:C:TYR:CA	1:39:D:TYR:CA	7	0.69
(2,11)	1:39:A:TYR:CA	1:39:B:TYR:CA	8	0.69
(2,11)	1:39:D:TYR:CA	1:39:E:TYR:CA	10	0.69
(2,10)	1:39:D:TYR:C	1:39:E:TYR:C	2	0.69
(2,10)	1:39:D:TYR:C	1:39:E:TYR:C	3	0.69
(2,10)	1:39:B:TYR:C	1:39:C:TYR:C	5	0.69
(2,10)	1:39:D:TYR:C	1:39:E:TYR:C	7	0.69
(2,10)	1:39:B:TYR:C	1:39:C:TYR:C	10	0.69
(2,9)	1:39:C:TYR:N	1:39:D:TYR:N	3	0.69
(2,9)	1:39:B:TYR:N	1:39:C:TYR:N	5	0.69
(2,9)	1:39:D:TYR:N	1:39:E:TYR:N	7	0.69
(2,9)	1:39:D:TYR:N	1:39:E:TYR:N	8	0.69
(2,9)	1:39:A:TYR:N	1:39:B:TYR:N	10	0.69
(2,8)	1:39:C:TYR:CA	1:39:D:TYR:CA	2	0.69
(2,8)	1:39:C:TYR:CA	1:39:D:TYR:CA	3	0.69
(2,8)	1:39:B:TYR:CA	1:39:C:TYR:CA	5	0.69
(2,8)	1:39:C:TYR:CA	1:39:D:TYR:CA	7	0.69
(2,8)	1:39:A:TYR:CA	1:39:B:TYR:CA	8	0.69
(2,8)	1:39:D:TYR:CA	1:39:E:TYR:CA	10	0.69
(2,7)	1:39:D:TYR:C	1:39:E:TYR:C	2	0.69
(2,7)	1:39:D:TYR:C	1:39:E:TYR:C	3	0.69
(2,7)	1:39:B:TYR:C	1:39:C:TYR:C	5	0.69
(2,7)	1:39:D:TYR:C	1:39:E:TYR:C	7	0.69
(2,7)	1:39:B:TYR:C	1:39:C:TYR:C	10	0.69
(2,6)	1:39:C:TYR:N	1:39:D:TYR:N	3	0.69
(2,6)	1:39:B:TYR:N	1:39:C:TYR:N	5	0.69
(2,6)	1:39:D:TYR:N	1:39:E:TYR:N	7	0.69
(2,6)	1:39:D:TYR:N	1:39:E:TYR:N	8	0.69
(2,6)	1:39:A:TYR:N	1:39:B:TYR:N	10	0.69
(2,5)	1:39:C:TYR:CA	1:39:D:TYR:CA	2	0.69
(2,5)	1:39:C:TYR:CA	1:39:D:TYR:CA	3	0.69
(2,5)	1:39:B:TYR:CA	1:39:C:TYR:CA	5	0.69
(2,5)	1:39:C:TYR:CA	1:39:D:TYR:CA	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:39:A:TYR:CA	1:39:B:TYR:CA	8	0.69
(2,5)	1:39:D:TYR:CA	1:39:E:TYR:CA	10	0.69
(2,4)	1:39:D:TYR:C	1:39:E:TYR:C	2	0.69
(2,4)	1:39:D:TYR:C	1:39:E:TYR:C	3	0.69
(2,4)	1:39:B:TYR:C	1:39:C:TYR:C	5	0.69
(2,4)	1:39:D:TYR:C	1:39:E:TYR:C	7	0.69
(2,4)	1:39:B:TYR:C	1:39:C:TYR:C	10	0.69
(2,3)	1:39:C:TYR:N	1:39:D:TYR:N	3	0.69
(2,3)	1:39:B:TYR:N	1:39:C:TYR:N	5	0.69
(2,3)	1:39:D:TYR:N	1:39:E:TYR:N	7	0.69
(2,3)	1:39:D:TYR:N	1:39:E:TYR:N	8	0.69
(2,3)	1:39:A:TYR:N	1:39:B:TYR:N	10	0.69
(2,2)	1:39:C:TYR:CA	1:39:D:TYR:CA	2	0.69
(2,2)	1:39:C:TYR:CA	1:39:D:TYR:CA	3	0.69
(2,2)	1:39:B:TYR:CA	1:39:C:TYR:CA	5	0.69
(2,2)	1:39:C:TYR:CA	1:39:D:TYR:CA	7	0.69
(2,2)	1:39:A:TYR:CA	1:39:B:TYR:CA	8	0.69
(2,2)	1:39:D:TYR:CA	1:39:E:TYR:CA	10	0.69
(2,1)	1:39:D:TYR:C	1:39:E:TYR:C	2	0.69
(2,1)	1:39:D:TYR:C	1:39:E:TYR:C	3	0.69
(2,1)	1:39:B:TYR:C	1:39:C:TYR:C	5	0.69
(2,1)	1:39:D:TYR:C	1:39:E:TYR:C	7	0.69
(2,1)	1:39:B:TYR:C	1:39:C:TYR:C	10	0.69
(1,4247)	1:79:E:GLN:CB	1:77:E:VAL:CB	7	0.69
(1,4200)	1:96:B:LYS:CA	1:97:B:LYS:CB	2	0.69
(1,4178)	1:75:E:THR:CA	1:74:E:VAL:CB	5	0.69
(1,4178)	1:75:B:THR:CA	1:74:B:VAL:CB	7	0.69
(1,3346)	1:72:A:THR:CB	1:64:A:THR:C	5	0.69
(1,3003)	1:49:D:VAL:CG2	1:48:D:VAL:CA	2	0.69
(1,2283)	1:79:E:GLN:C	1:79:E:GLN:CD	2	0.69
(1,1627)	1:70:D:VAL:CA	1:94:C:PHE:CA	8	0.69
(1,1528)	1:75:E:THR:CA	1:74:E:VAL:CB	5	0.69
(1,1528)	1:75:B:THR:CA	1:74:B:VAL:CB	7	0.69
(2,552)	1:97:A:LYS:N	1:97:B:LYS:N	1	0.68
(2,552)	1:97:D:LYS:N	1:97:E:LYS:N	2	0.68
(2,552)	1:97:B:LYS:N	1:97:C:LYS:N	4	0.68
(2,552)	1:97:A:LYS:N	1:97:B:LYS:N	6	0.68
(2,552)	1:97:C:LYS:N	1:97:D:LYS:N	9	0.68
(2,551)	1:97:D:LYS:CA	1:97:E:LYS:CA	1	0.68
(2,551)	1:97:B:LYS:CA	1:97:C:LYS:CA	4	0.68
(2,551)	1:97:C:LYS:CA	1:97:D:LYS:CA	6	0.68
(2,551)	1:97:D:LYS:CA	1:97:E:LYS:CA	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,551)	1:97:A:LYS:CA	1:97:B:LYS:CA	9	0.68
(2,550)	1:97:A:LYS:C	1:97:B:LYS:C	1	0.68
(2,550)	1:97:A:LYS:C	1:97:B:LYS:C	2	0.68
(2,550)	1:97:B:LYS:C	1:97:C:LYS:C	4	0.68
(2,550)	1:97:C:LYS:C	1:97:D:LYS:C	6	0.68
(2,550)	1:97:C:LYS:C	1:97:D:LYS:C	9	0.68
(2,549)	1:97:A:LYS:N	1:97:B:LYS:N	1	0.68
(2,549)	1:97:D:LYS:N	1:97:E:LYS:N	2	0.68
(2,549)	1:97:B:LYS:N	1:97:C:LYS:N	4	0.68
(2,549)	1:97:A:LYS:N	1:97:B:LYS:N	6	0.68
(2,549)	1:97:C:LYS:N	1:97:D:LYS:N	9	0.68
(2,548)	1:97:D:LYS:CA	1:97:E:LYS:CA	1	0.68
(2,548)	1:97:B:LYS:CA	1:97:C:LYS:CA	4	0.68
(2,548)	1:97:C:LYS:CA	1:97:D:LYS:CA	6	0.68
(2,548)	1:97:D:LYS:CA	1:97:E:LYS:CA	8	0.68
(2,548)	1:97:A:LYS:CA	1:97:B:LYS:CA	9	0.68
(2,547)	1:97:A:LYS:C	1:97:B:LYS:C	1	0.68
(2,547)	1:97:A:LYS:C	1:97:B:LYS:C	2	0.68
(2,547)	1:97:B:LYS:C	1:97:C:LYS:C	4	0.68
(2,547)	1:97:C:LYS:C	1:97:D:LYS:C	6	0.68
(2,547)	1:97:C:LYS:C	1:97:D:LYS:C	9	0.68
(2,546)	1:97:A:LYS:N	1:97:B:LYS:N	1	0.68
(2,546)	1:97:D:LYS:N	1:97:E:LYS:N	2	0.68
(2,546)	1:97:B:LYS:N	1:97:C:LYS:N	4	0.68
(2,546)	1:97:A:LYS:N	1:97:B:LYS:N	6	0.68
(2,546)	1:97:C:LYS:N	1:97:D:LYS:N	9	0.68
(2,545)	1:97:D:LYS:CA	1:97:E:LYS:CA	1	0.68
(2,545)	1:97:B:LYS:CA	1:97:C:LYS:CA	4	0.68
(2,545)	1:97:C:LYS:CA	1:97:D:LYS:CA	6	0.68
(2,545)	1:97:D:LYS:CA	1:97:E:LYS:CA	8	0.68
(2,545)	1:97:A:LYS:CA	1:97:B:LYS:CA	9	0.68
(2,544)	1:97:A:LYS:C	1:97:B:LYS:C	1	0.68
(2,544)	1:97:A:LYS:C	1:97:B:LYS:C	2	0.68
(2,544)	1:97:B:LYS:C	1:97:C:LYS:C	4	0.68
(2,544)	1:97:C:LYS:C	1:97:D:LYS:C	6	0.68
(2,544)	1:97:C:LYS:C	1:97:D:LYS:C	9	0.68
(2,543)	1:97:A:LYS:N	1:97:B:LYS:N	1	0.68
(2,543)	1:97:D:LYS:N	1:97:E:LYS:N	2	0.68
(2,543)	1:97:B:LYS:N	1:97:C:LYS:N	4	0.68
(2,543)	1:97:A:LYS:N	1:97:B:LYS:N	6	0.68
(2,543)	1:97:C:LYS:N	1:97:D:LYS:N	9	0.68
(2,542)	1:97:D:LYS:CA	1:97:E:LYS:CA	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,542)	1:97:B:LYS:CA	1:97:C:LYS:CA	4	0.68
(2,542)	1:97:C:LYS:CA	1:97:D:LYS:CA	6	0.68
(2,542)	1:97:D:LYS:CA	1:97:E:LYS:CA	8	0.68
(2,542)	1:97:A:LYS:CA	1:97:B:LYS:CA	9	0.68
(2,541)	1:97:A:LYS:C	1:97:B:LYS:C	1	0.68
(2,541)	1:97:A:LYS:C	1:97:B:LYS:C	2	0.68
(2,541)	1:97:B:LYS:C	1:97:C:LYS:C	4	0.68
(2,541)	1:97:C:LYS:C	1:97:D:LYS:C	6	0.68
(2,541)	1:97:C:LYS:C	1:97:D:LYS:C	9	0.68
(2,540)	1:96:C:LYS:N	1:96:D:LYS:N	1	0.68
(2,540)	1:96:D:LYS:N	1:96:E:LYS:N	4	0.68
(2,540)	1:96:C:LYS:N	1:96:D:LYS:N	6	0.68
(2,540)	1:96:C:LYS:N	1:96:D:LYS:N	9	0.68
(2,539)	1:96:A:LYS:CA	1:96:B:LYS:CA	1	0.68
(2,539)	1:96:B:LYS:CA	1:96:C:LYS:CA	2	0.68
(2,539)	1:96:D:LYS:CA	1:96:E:LYS:CA	4	0.68
(2,539)	1:96:A:LYS:CA	1:96:B:LYS:CA	6	0.68
(2,539)	1:96:C:LYS:CA	1:96:D:LYS:CA	9	0.68
(2,538)	1:96:A:LYS:C	1:96:B:LYS:C	1	0.68
(2,538)	1:96:C:LYS:C	1:96:D:LYS:C	4	0.68
(2,538)	1:96:C:LYS:C	1:96:D:LYS:C	6	0.68
(2,538)	1:96:D:LYS:C	1:96:E:LYS:C	8	0.68
(2,538)	1:96:C:LYS:C	1:96:D:LYS:C	9	0.68
(2,537)	1:96:C:LYS:N	1:96:D:LYS:N	1	0.68
(2,537)	1:96:D:LYS:N	1:96:E:LYS:N	4	0.68
(2,537)	1:96:C:LYS:N	1:96:D:LYS:N	6	0.68
(2,537)	1:96:C:LYS:N	1:96:D:LYS:N	9	0.68
(2,536)	1:96:A:LYS:CA	1:96:B:LYS:CA	1	0.68
(2,536)	1:96:B:LYS:CA	1:96:C:LYS:CA	2	0.68
(2,536)	1:96:D:LYS:CA	1:96:E:LYS:CA	4	0.68
(2,536)	1:96:A:LYS:CA	1:96:B:LYS:CA	6	0.68
(2,536)	1:96:C:LYS:CA	1:96:D:LYS:CA	9	0.68
(2,535)	1:96:A:LYS:C	1:96:B:LYS:C	1	0.68
(2,535)	1:96:C:LYS:C	1:96:D:LYS:C	4	0.68
(2,535)	1:96:C:LYS:C	1:96:D:LYS:C	6	0.68
(2,535)	1:96:D:LYS:C	1:96:E:LYS:C	8	0.68
(2,535)	1:96:C:LYS:C	1:96:D:LYS:C	9	0.68
(2,534)	1:96:C:LYS:N	1:96:D:LYS:N	1	0.68
(2,534)	1:96:D:LYS:N	1:96:E:LYS:N	4	0.68
(2,534)	1:96:C:LYS:N	1:96:D:LYS:N	6	0.68
(2,534)	1:96:C:LYS:N	1:96:D:LYS:N	9	0.68
(2,533)	1:96:A:LYS:CA	1:96:B:LYS:CA	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,533)	1:96:B:LYS:CA	1:96:C:LYS:CA	2	0.68
(2,533)	1:96:D:LYS:CA	1:96:E:LYS:CA	4	0.68
(2,533)	1:96:A:LYS:CA	1:96:B:LYS:CA	6	0.68
(2,533)	1:96:C:LYS:CA	1:96:D:LYS:CA	9	0.68
(2,532)	1:96:A:LYS:C	1:96:B:LYS:C	1	0.68
(2,532)	1:96:C:LYS:C	1:96:D:LYS:C	4	0.68
(2,532)	1:96:C:LYS:C	1:96:D:LYS:C	6	0.68
(2,532)	1:96:D:LYS:C	1:96:E:LYS:C	8	0.68
(2,532)	1:96:C:LYS:C	1:96:D:LYS:C	9	0.68
(2,531)	1:96:C:LYS:N	1:96:D:LYS:N	1	0.68
(2,531)	1:96:D:LYS:N	1:96:E:LYS:N	4	0.68
(2,531)	1:96:C:LYS:N	1:96:D:LYS:N	6	0.68
(2,531)	1:96:C:LYS:N	1:96:D:LYS:N	9	0.68
(2,530)	1:96:A:LYS:CA	1:96:B:LYS:CA	1	0.68
(2,530)	1:96:B:LYS:CA	1:96:C:LYS:CA	2	0.68
(2,530)	1:96:D:LYS:CA	1:96:E:LYS:CA	4	0.68
(2,530)	1:96:A:LYS:CA	1:96:B:LYS:CA	6	0.68
(2,530)	1:96:C:LYS:CA	1:96:D:LYS:CA	9	0.68
(2,529)	1:96:A:LYS:C	1:96:B:LYS:C	1	0.68
(2,529)	1:96:C:LYS:C	1:96:D:LYS:C	4	0.68
(2,529)	1:96:C:LYS:C	1:96:D:LYS:C	6	0.68
(2,529)	1:96:D:LYS:C	1:96:E:LYS:C	8	0.68
(2,529)	1:96:C:LYS:C	1:96:D:LYS:C	9	0.68
(2,528)	1:95:D:VAL:N	1:95:E:VAL:N	1	0.68
(2,528)	1:95:D:VAL:N	1:95:E:VAL:N	2	0.68
(2,528)	1:95:C:VAL:N	1:95:D:VAL:N	4	0.68
(2,528)	1:95:C:VAL:N	1:95:D:VAL:N	6	0.68
(2,528)	1:95:C:VAL:N	1:95:D:VAL:N	9	0.68
(2,527)	1:95:C:VAL:CA	1:95:D:VAL:CA	1	0.68
(2,527)	1:95:D:VAL:CA	1:95:E:VAL:CA	2	0.68
(2,527)	1:95:C:VAL:CA	1:95:D:VAL:CA	4	0.68
(2,527)	1:95:D:VAL:CA	1:95:E:VAL:CA	6	0.68
(2,527)	1:95:D:VAL:CA	1:95:E:VAL:CA	8	0.68
(2,527)	1:95:A:VAL:CA	1:95:B:VAL:CA	9	0.68
(2,526)	1:95:D:VAL:C	1:95:E:VAL:C	1	0.68
(2,526)	1:95:B:VAL:C	1:95:C:VAL:C	4	0.68
(2,526)	1:95:C:VAL:C	1:95:D:VAL:C	6	0.68
(2,526)	1:95:A:VAL:C	1:95:B:VAL:C	8	0.68
(2,526)	1:95:C:VAL:C	1:95:D:VAL:C	9	0.68
(2,525)	1:95:D:VAL:N	1:95:E:VAL:N	1	0.68
(2,525)	1:95:D:VAL:N	1:95:E:VAL:N	2	0.68
(2,525)	1:95:C:VAL:N	1:95:D:VAL:N	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,525)	1:95:C:VAL:N	1:95:D:VAL:N	6	0.68
(2,525)	1:95:C:VAL:N	1:95:D:VAL:N	9	0.68
(2,524)	1:95:C:VAL:CA	1:95:D:VAL:CA	1	0.68
(2,524)	1:95:D:VAL:CA	1:95:E:VAL:CA	2	0.68
(2,524)	1:95:C:VAL:CA	1:95:D:VAL:CA	4	0.68
(2,524)	1:95:D:VAL:CA	1:95:E:VAL:CA	6	0.68
(2,524)	1:95:D:VAL:CA	1:95:E:VAL:CA	8	0.68
(2,524)	1:95:A:VAL:CA	1:95:B:VAL:CA	9	0.68
(2,523)	1:95:D:VAL:C	1:95:E:VAL:C	1	0.68
(2,523)	1:95:B:VAL:C	1:95:C:VAL:C	4	0.68
(2,523)	1:95:C:VAL:C	1:95:D:VAL:C	6	0.68
(2,523)	1:95:A:VAL:C	1:95:B:VAL:C	8	0.68
(2,523)	1:95:C:VAL:C	1:95:D:VAL:C	9	0.68
(2,522)	1:95:D:VAL:N	1:95:E:VAL:N	1	0.68
(2,522)	1:95:D:VAL:N	1:95:E:VAL:N	2	0.68
(2,522)	1:95:C:VAL:N	1:95:D:VAL:N	4	0.68
(2,522)	1:95:C:VAL:N	1:95:D:VAL:N	6	0.68
(2,522)	1:95:C:VAL:N	1:95:D:VAL:N	9	0.68
(2,521)	1:95:C:VAL:CA	1:95:D:VAL:CA	1	0.68
(2,521)	1:95:D:VAL:CA	1:95:E:VAL:CA	2	0.68
(2,521)	1:95:C:VAL:CA	1:95:D:VAL:CA	4	0.68
(2,521)	1:95:D:VAL:CA	1:95:E:VAL:CA	6	0.68
(2,521)	1:95:D:VAL:CA	1:95:E:VAL:CA	8	0.68
(2,521)	1:95:A:VAL:CA	1:95:B:VAL:CA	9	0.68
(2,520)	1:95:D:VAL:C	1:95:E:VAL:C	1	0.68
(2,520)	1:95:B:VAL:C	1:95:C:VAL:C	4	0.68
(2,520)	1:95:C:VAL:C	1:95:D:VAL:C	6	0.68
(2,520)	1:95:A:VAL:C	1:95:B:VAL:C	8	0.68
(2,520)	1:95:C:VAL:C	1:95:D:VAL:C	9	0.68
(2,519)	1:95:D:VAL:N	1:95:E:VAL:N	1	0.68
(2,519)	1:95:D:VAL:N	1:95:E:VAL:N	2	0.68
(2,519)	1:95:C:VAL:N	1:95:D:VAL:N	4	0.68
(2,519)	1:95:C:VAL:N	1:95:D:VAL:N	6	0.68
(2,519)	1:95:C:VAL:N	1:95:D:VAL:N	9	0.68
(2,518)	1:95:C:VAL:CA	1:95:D:VAL:CA	1	0.68
(2,518)	1:95:D:VAL:CA	1:95:E:VAL:CA	2	0.68
(2,518)	1:95:C:VAL:CA	1:95:D:VAL:CA	4	0.68
(2,518)	1:95:D:VAL:CA	1:95:E:VAL:CA	6	0.68
(2,518)	1:95:D:VAL:CA	1:95:E:VAL:CA	8	0.68
(2,518)	1:95:A:VAL:CA	1:95:B:VAL:CA	9	0.68
(2,517)	1:95:D:VAL:C	1:95:E:VAL:C	1	0.68
(2,517)	1:95:B:VAL:C	1:95:C:VAL:C	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,517)	1:95:C:VAL:C	1:95:D:VAL:C	6	0.68
(2,517)	1:95:A:VAL:C	1:95:B:VAL:C	8	0.68
(2,517)	1:95:C:VAL:C	1:95:D:VAL:C	9	0.68
(2,516)	1:94:D:PHE:N	1:94:E:PHE:N	1	0.68
(2,516)	1:94:C:PHE:N	1:94:D:PHE:N	4	0.68
(2,516)	1:94:A:PHE:N	1:94:B:PHE:N	6	0.68
(2,516)	1:94:C:PHE:N	1:94:D:PHE:N	8	0.68
(2,516)	1:94:C:PHE:N	1:94:D:PHE:N	9	0.68
(2,515)	1:94:C:PHE:CA	1:94:D:PHE:CA	1	0.68
(2,515)	1:94:A:PHE:CA	1:94:B:PHE:CA	2	0.68
(2,515)	1:94:D:PHE:CA	1:94:E:PHE:CA	4	0.68
(2,515)	1:94:A:PHE:CA	1:94:B:PHE:CA	6	0.68
(2,515)	1:94:C:PHE:CA	1:94:D:PHE:CA	9	0.68
(2,514)	1:94:C:PHE:C	1:94:D:PHE:C	1	0.68
(2,514)	1:94:B:PHE:C	1:94:C:PHE:C	2	0.68
(2,514)	1:94:C:PHE:C	1:94:D:PHE:C	4	0.68
(2,514)	1:94:A:PHE:C	1:94:B:PHE:C	6	0.68
(2,514)	1:94:C:PHE:C	1:94:D:PHE:C	9	0.68
(2,513)	1:94:D:PHE:N	1:94:E:PHE:N	1	0.68
(2,513)	1:94:C:PHE:N	1:94:D:PHE:N	4	0.68
(2,513)	1:94:A:PHE:N	1:94:B:PHE:N	6	0.68
(2,513)	1:94:C:PHE:N	1:94:D:PHE:N	8	0.68
(2,513)	1:94:C:PHE:N	1:94:D:PHE:N	9	0.68
(2,512)	1:94:C:PHE:CA	1:94:D:PHE:CA	1	0.68
(2,512)	1:94:A:PHE:CA	1:94:B:PHE:CA	2	0.68
(2,512)	1:94:D:PHE:CA	1:94:E:PHE:CA	4	0.68
(2,512)	1:94:A:PHE:CA	1:94:B:PHE:CA	6	0.68
(2,512)	1:94:C:PHE:CA	1:94:D:PHE:CA	9	0.68
(2,511)	1:94:C:PHE:C	1:94:D:PHE:C	1	0.68
(2,511)	1:94:B:PHE:C	1:94:C:PHE:C	2	0.68
(2,511)	1:94:C:PHE:C	1:94:D:PHE:C	4	0.68
(2,511)	1:94:A:PHE:C	1:94:B:PHE:C	6	0.68
(2,511)	1:94:C:PHE:C	1:94:D:PHE:C	9	0.68
(2,510)	1:94:D:PHE:N	1:94:E:PHE:N	1	0.68
(2,510)	1:94:C:PHE:N	1:94:D:PHE:N	4	0.68
(2,510)	1:94:A:PHE:N	1:94:B:PHE:N	6	0.68
(2,510)	1:94:C:PHE:N	1:94:D:PHE:N	8	0.68
(2,510)	1:94:C:PHE:N	1:94:D:PHE:N	9	0.68
(2,509)	1:94:C:PHE:CA	1:94:D:PHE:CA	1	0.68
(2,509)	1:94:A:PHE:CA	1:94:B:PHE:CA	2	0.68
(2,509)	1:94:D:PHE:CA	1:94:E:PHE:CA	4	0.68
(2,509)	1:94:A:PHE:CA	1:94:B:PHE:CA	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,509)	1:94:C:PHE:CA	1:94:D:PHE:CA	9	0.68
(2,508)	1:94:C:PHE:C	1:94:D:PHE:C	1	0.68
(2,508)	1:94:B:PHE:C	1:94:C:PHE:C	2	0.68
(2,508)	1:94:C:PHE:C	1:94:D:PHE:C	4	0.68
(2,508)	1:94:A:PHE:C	1:94:B:PHE:C	6	0.68
(2,508)	1:94:C:PHE:C	1:94:D:PHE:C	9	0.68
(2,507)	1:94:D:PHE:N	1:94:E:PHE:N	1	0.68
(2,507)	1:94:C:PHE:N	1:94:D:PHE:N	4	0.68
(2,507)	1:94:A:PHE:N	1:94:B:PHE:N	6	0.68
(2,507)	1:94:C:PHE:N	1:94:D:PHE:N	8	0.68
(2,507)	1:94:C:PHE:N	1:94:D:PHE:N	9	0.68
(2,506)	1:94:C:PHE:CA	1:94:D:PHE:CA	1	0.68
(2,506)	1:94:A:PHE:CA	1:94:B:PHE:CA	2	0.68
(2,506)	1:94:D:PHE:CA	1:94:E:PHE:CA	4	0.68
(2,506)	1:94:A:PHE:CA	1:94:B:PHE:CA	6	0.68
(2,506)	1:94:C:PHE:CA	1:94:D:PHE:CA	9	0.68
(2,505)	1:94:C:PHE:C	1:94:D:PHE:C	1	0.68
(2,505)	1:94:B:PHE:C	1:94:C:PHE:C	2	0.68
(2,505)	1:94:C:PHE:C	1:94:D:PHE:C	4	0.68
(2,505)	1:94:A:PHE:C	1:94:B:PHE:C	6	0.68
(2,505)	1:94:C:PHE:C	1:94:D:PHE:C	9	0.68
(2,504)	1:92:C:THR:N	1:92:D:THR:N	1	0.68
(2,504)	1:92:C:THR:N	1:92:D:THR:N	4	0.68
(2,504)	1:92:D:THR:N	1:92:E:THR:N	6	0.68
(2,504)	1:92:A:THR:N	1:92:B:THR:N	8	0.68
(2,504)	1:92:C:THR:N	1:92:D:THR:N	9	0.68
(2,503)	1:92:A:THR:CA	1:92:B:THR:CA	1	0.68
(2,503)	1:92:A:THR:CA	1:92:B:THR:CA	4	0.68
(2,503)	1:92:D:THR:CA	1:92:E:THR:CA	6	0.68
(2,503)	1:92:C:THR:CA	1:92:D:THR:CA	9	0.68
(2,502)	1:92:A:THR:C	1:92:B:THR:C	1	0.68
(2,502)	1:92:B:THR:C	1:92:C:THR:C	4	0.68
(2,502)	1:92:A:THR:C	1:92:B:THR:C	6	0.68
(2,502)	1:92:C:THR:C	1:92:D:THR:C	8	0.68
(2,502)	1:92:C:THR:C	1:92:D:THR:C	9	0.68
(2,501)	1:92:C:THR:N	1:92:D:THR:N	1	0.68
(2,501)	1:92:C:THR:N	1:92:D:THR:N	4	0.68
(2,501)	1:92:D:THR:N	1:92:E:THR:N	6	0.68
(2,501)	1:92:A:THR:N	1:92:B:THR:N	8	0.68
(2,501)	1:92:C:THR:N	1:92:D:THR:N	9	0.68
(2,500)	1:92:A:THR:CA	1:92:B:THR:CA	1	0.68
(2,500)	1:92:A:THR:CA	1:92:B:THR:CA	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,500)	1:92:D:THR:CA	1:92:E:THR:CA	6	0.68
(2,500)	1:92:C:THR:CA	1:92:D:THR:CA	9	0.68
(2,499)	1:92:A:THR:C	1:92:B:THR:C	1	0.68
(2,499)	1:92:B:THR:C	1:92:C:THR:C	4	0.68
(2,499)	1:92:A:THR:C	1:92:B:THR:C	6	0.68
(2,499)	1:92:C:THR:C	1:92:D:THR:C	8	0.68
(2,499)	1:92:C:THR:C	1:92:D:THR:C	9	0.68
(2,498)	1:92:C:THR:N	1:92:D:THR:N	1	0.68
(2,498)	1:92:C:THR:N	1:92:D:THR:N	4	0.68
(2,498)	1:92:D:THR:N	1:92:E:THR:N	6	0.68
(2,498)	1:92:A:THR:N	1:92:B:THR:N	8	0.68
(2,498)	1:92:C:THR:N	1:92:D:THR:N	9	0.68
(2,497)	1:92:A:THR:CA	1:92:B:THR:CA	1	0.68
(2,497)	1:92:A:THR:CA	1:92:B:THR:CA	4	0.68
(2,497)	1:92:D:THR:CA	1:92:E:THR:CA	6	0.68
(2,497)	1:92:C:THR:CA	1:92:D:THR:CA	9	0.68
(2,496)	1:92:A:THR:C	1:92:B:THR:C	1	0.68
(2,496)	1:92:B:THR:C	1:92:C:THR:C	4	0.68
(2,496)	1:92:A:THR:C	1:92:B:THR:C	6	0.68
(2,496)	1:92:C:THR:C	1:92:D:THR:C	8	0.68
(2,496)	1:92:C:THR:C	1:92:D:THR:C	9	0.68
(2,495)	1:92:C:THR:N	1:92:D:THR:N	1	0.68
(2,495)	1:92:C:THR:N	1:92:D:THR:N	4	0.68
(2,495)	1:92:D:THR:N	1:92:E:THR:N	6	0.68
(2,495)	1:92:A:THR:N	1:92:B:THR:N	8	0.68
(2,495)	1:92:C:THR:N	1:92:D:THR:N	9	0.68
(2,494)	1:92:A:THR:CA	1:92:B:THR:CA	1	0.68
(2,494)	1:92:A:THR:CA	1:92:B:THR:CA	4	0.68
(2,494)	1:92:D:THR:CA	1:92:E:THR:CA	6	0.68
(2,494)	1:92:C:THR:CA	1:92:D:THR:CA	9	0.68
(2,493)	1:92:A:THR:C	1:92:B:THR:C	1	0.68
(2,493)	1:92:B:THR:C	1:92:C:THR:C	4	0.68
(2,493)	1:92:A:THR:C	1:92:B:THR:C	6	0.68
(2,493)	1:92:C:THR:C	1:92:D:THR:C	8	0.68
(2,493)	1:92:C:THR:C	1:92:D:THR:C	9	0.68
(2,492)	1:91:D:ALA:N	1:91:E:ALA:N	1	0.68
(2,492)	1:91:B:ALA:N	1:91:C:ALA:N	4	0.68
(2,492)	1:91:D:ALA:N	1:91:E:ALA:N	6	0.68
(2,492)	1:91:A:ALA:N	1:91:B:ALA:N	8	0.68
(2,492)	1:91:C:ALA:N	1:91:D:ALA:N	9	0.68
(2,491)	1:91:C:ALA:CA	1:91:D:ALA:CA	1	0.68
(2,491)	1:91:D:ALA:CA	1:91:E:ALA:CA	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,491)	1:91:C:ALA:CA	1:91:D:ALA:CA	3	0.68
(2,491)	1:91:B:ALA:CA	1:91:C:ALA:CA	4	0.68
(2,491)	1:91:A:ALA:CA	1:91:B:ALA:CA	6	0.68
(2,491)	1:91:C:ALA:CA	1:91:D:ALA:CA	8	0.68
(2,491)	1:91:C:ALA:CA	1:91:D:ALA:CA	9	0.68
(2,490)	1:91:D:ALA:C	1:91:E:ALA:C	1	0.68
(2,490)	1:91:C:ALA:C	1:91:D:ALA:C	3	0.68
(2,490)	1:91:B:ALA:C	1:91:C:ALA:C	4	0.68
(2,490)	1:91:D:ALA:C	1:91:E:ALA:C	6	0.68
(2,490)	1:91:C:ALA:C	1:91:D:ALA:C	8	0.68
(2,490)	1:91:B:ALA:C	1:91:C:ALA:C	9	0.68
(2,489)	1:91:D:ALA:N	1:91:E:ALA:N	1	0.68
(2,489)	1:91:B:ALA:N	1:91:C:ALA:N	4	0.68
(2,489)	1:91:D:ALA:N	1:91:E:ALA:N	6	0.68
(2,489)	1:91:A:ALA:N	1:91:B:ALA:N	8	0.68
(2,489)	1:91:C:ALA:N	1:91:D:ALA:N	9	0.68
(2,488)	1:91:C:ALA:CA	1:91:D:ALA:CA	1	0.68
(2,488)	1:91:D:ALA:CA	1:91:E:ALA:CA	2	0.68
(2,488)	1:91:C:ALA:CA	1:91:D:ALA:CA	3	0.68
(2,488)	1:91:B:ALA:CA	1:91:C:ALA:CA	4	0.68
(2,488)	1:91:A:ALA:CA	1:91:B:ALA:CA	6	0.68
(2,488)	1:91:C:ALA:CA	1:91:D:ALA:CA	8	0.68
(2,488)	1:91:C:ALA:CA	1:91:D:ALA:CA	9	0.68
(2,487)	1:91:D:ALA:C	1:91:E:ALA:C	1	0.68
(2,487)	1:91:C:ALA:C	1:91:D:ALA:C	3	0.68
(2,487)	1:91:B:ALA:C	1:91:C:ALA:C	4	0.68
(2,487)	1:91:D:ALA:C	1:91:E:ALA:C	6	0.68
(2,487)	1:91:C:ALA:C	1:91:D:ALA:C	8	0.68
(2,487)	1:91:B:ALA:C	1:91:C:ALA:C	9	0.68
(2,486)	1:91:D:ALA:N	1:91:E:ALA:N	1	0.68
(2,486)	1:91:B:ALA:N	1:91:C:ALA:N	4	0.68
(2,486)	1:91:D:ALA:N	1:91:E:ALA:N	6	0.68
(2,486)	1:91:A:ALA:N	1:91:B:ALA:N	8	0.68
(2,486)	1:91:C:ALA:N	1:91:D:ALA:N	9	0.68
(2,485)	1:91:C:ALA:CA	1:91:D:ALA:CA	1	0.68
(2,485)	1:91:D:ALA:CA	1:91:E:ALA:CA	2	0.68
(2,485)	1:91:C:ALA:CA	1:91:D:ALA:CA	3	0.68
(2,485)	1:91:B:ALA:CA	1:91:C:ALA:CA	4	0.68
(2,485)	1:91:A:ALA:CA	1:91:B:ALA:CA	6	0.68
(2,485)	1:91:C:ALA:CA	1:91:D:ALA:CA	8	0.68
(2,485)	1:91:C:ALA:CA	1:91:D:ALA:CA	9	0.68
(2,484)	1:91:D:ALA:C	1:91:E:ALA:C	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,484)	1:91:C:ALA:C	1:91:D:ALA:C	3	0.68
(2,484)	1:91:B:ALA:C	1:91:C:ALA:C	4	0.68
(2,484)	1:91:D:ALA:C	1:91:E:ALA:C	6	0.68
(2,484)	1:91:C:ALA:C	1:91:D:ALA:C	8	0.68
(2,484)	1:91:B:ALA:C	1:91:C:ALA:C	9	0.68
(2,483)	1:91:D:ALA:N	1:91:E:ALA:N	1	0.68
(2,483)	1:91:B:ALA:N	1:91:C:ALA:N	4	0.68
(2,483)	1:91:D:ALA:N	1:91:E:ALA:N	6	0.68
(2,483)	1:91:A:ALA:N	1:91:B:ALA:N	8	0.68
(2,483)	1:91:C:ALA:N	1:91:D:ALA:N	9	0.68
(2,482)	1:91:C:ALA:CA	1:91:D:ALA:CA	1	0.68
(2,482)	1:91:D:ALA:CA	1:91:E:ALA:CA	2	0.68
(2,482)	1:91:C:ALA:CA	1:91:D:ALA:CA	3	0.68
(2,482)	1:91:B:ALA:CA	1:91:C:ALA:CA	4	0.68
(2,482)	1:91:A:ALA:CA	1:91:B:ALA:CA	6	0.68
(2,482)	1:91:C:ALA:CA	1:91:D:ALA:CA	8	0.68
(2,482)	1:91:C:ALA:CA	1:91:D:ALA:CA	9	0.68
(2,481)	1:91:D:ALA:C	1:91:E:ALA:C	1	0.68
(2,481)	1:91:C:ALA:C	1:91:D:ALA:C	3	0.68
(2,481)	1:91:B:ALA:C	1:91:C:ALA:C	4	0.68
(2,481)	1:91:D:ALA:C	1:91:E:ALA:C	6	0.68
(2,481)	1:91:C:ALA:C	1:91:D:ALA:C	8	0.68
(2,481)	1:91:B:ALA:C	1:91:C:ALA:C	9	0.68
(2,480)	1:90:D:ALA:N	1:90:E:ALA:N	1	0.68
(2,480)	1:90:C:ALA:N	1:90:D:ALA:N	4	0.68
(2,480)	1:90:A:ALA:N	1:90:B:ALA:N	6	0.68
(2,480)	1:90:A:ALA:N	1:90:B:ALA:N	8	0.68
(2,480)	1:90:C:ALA:N	1:90:D:ALA:N	9	0.68
(2,479)	1:90:C:ALA:CA	1:90:D:ALA:CA	1	0.68
(2,479)	1:90:B:ALA:CA	1:90:C:ALA:CA	2	0.68
(2,479)	1:90:C:ALA:CA	1:90:D:ALA:CA	4	0.68
(2,479)	1:90:D:ALA:CA	1:90:E:ALA:CA	6	0.68
(2,479)	1:90:C:ALA:CA	1:90:D:ALA:CA	9	0.68
(2,478)	1:90:D:ALA:C	1:90:E:ALA:C	1	0.68
(2,478)	1:90:D:ALA:C	1:90:E:ALA:C	2	0.68
(2,478)	1:90:D:ALA:C	1:90:E:ALA:C	4	0.68
(2,478)	1:90:C:ALA:C	1:90:D:ALA:C	6	0.68
(2,478)	1:90:B:ALA:C	1:90:C:ALA:C	9	0.68
(2,477)	1:90:D:ALA:N	1:90:E:ALA:N	1	0.68
(2,477)	1:90:C:ALA:N	1:90:D:ALA:N	4	0.68
(2,477)	1:90:A:ALA:N	1:90:B:ALA:N	6	0.68
(2,477)	1:90:A:ALA:N	1:90:B:ALA:N	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,477)	1:90:C:ALA:N	1:90:D:ALA:N	9	0.68
(2,476)	1:90:C:ALA:CA	1:90:D:ALA:CA	1	0.68
(2,476)	1:90:B:ALA:CA	1:90:C:ALA:CA	2	0.68
(2,476)	1:90:C:ALA:CA	1:90:D:ALA:CA	4	0.68
(2,476)	1:90:D:ALA:CA	1:90:E:ALA:CA	6	0.68
(2,476)	1:90:C:ALA:CA	1:90:D:ALA:CA	9	0.68
(2,475)	1:90:D:ALA:C	1:90:E:ALA:C	1	0.68
(2,475)	1:90:D:ALA:C	1:90:E:ALA:C	2	0.68
(2,475)	1:90:D:ALA:C	1:90:E:ALA:C	4	0.68
(2,475)	1:90:C:ALA:C	1:90:D:ALA:C	6	0.68
(2,475)	1:90:B:ALA:C	1:90:C:ALA:C	9	0.68
(2,474)	1:90:D:ALA:N	1:90:E:ALA:N	1	0.68
(2,474)	1:90:C:ALA:N	1:90:D:ALA:N	4	0.68
(2,474)	1:90:A:ALA:N	1:90:B:ALA:N	6	0.68
(2,474)	1:90:A:ALA:N	1:90:B:ALA:N	8	0.68
(2,474)	1:90:C:ALA:N	1:90:D:ALA:N	9	0.68
(2,473)	1:90:C:ALA:CA	1:90:D:ALA:CA	1	0.68
(2,473)	1:90:B:ALA:CA	1:90:C:ALA:CA	2	0.68
(2,473)	1:90:C:ALA:CA	1:90:D:ALA:CA	4	0.68
(2,473)	1:90:D:ALA:CA	1:90:E:ALA:CA	6	0.68
(2,473)	1:90:C:ALA:CA	1:90:D:ALA:CA	9	0.68
(2,472)	1:90:D:ALA:C	1:90:E:ALA:C	1	0.68
(2,472)	1:90:D:ALA:C	1:90:E:ALA:C	2	0.68
(2,472)	1:90:D:ALA:C	1:90:E:ALA:C	4	0.68
(2,472)	1:90:C:ALA:C	1:90:D:ALA:C	6	0.68
(2,472)	1:90:B:ALA:C	1:90:C:ALA:C	9	0.68
(2,471)	1:90:D:ALA:N	1:90:E:ALA:N	1	0.68
(2,471)	1:90:C:ALA:N	1:90:D:ALA:N	4	0.68
(2,471)	1:90:A:ALA:N	1:90:B:ALA:N	6	0.68
(2,471)	1:90:A:ALA:N	1:90:B:ALA:N	8	0.68
(2,471)	1:90:C:ALA:N	1:90:D:ALA:N	9	0.68
(2,470)	1:90:C:ALA:CA	1:90:D:ALA:CA	1	0.68
(2,470)	1:90:B:ALA:CA	1:90:C:ALA:CA	2	0.68
(2,470)	1:90:C:ALA:CA	1:90:D:ALA:CA	4	0.68
(2,470)	1:90:D:ALA:CA	1:90:E:ALA:CA	6	0.68
(2,470)	1:90:C:ALA:CA	1:90:D:ALA:CA	9	0.68
(2,469)	1:90:D:ALA:C	1:90:E:ALA:C	1	0.68
(2,469)	1:90:D:ALA:C	1:90:E:ALA:C	2	0.68
(2,469)	1:90:D:ALA:C	1:90:E:ALA:C	4	0.68
(2,469)	1:90:C:ALA:C	1:90:D:ALA:C	6	0.68
(2,469)	1:90:B:ALA:C	1:90:C:ALA:C	9	0.68
(2,468)	1:83:A:GLU:N	1:83:B:GLU:N	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,468)	1:83:B:GLU:N	1:83:C:GLU:N	4	0.68
(2,468)	1:83:A:GLU:N	1:83:B:GLU:N	6	0.68
(2,468)	1:83:C:GLU:N	1:83:D:GLU:N	8	0.68
(2,468)	1:83:C:GLU:N	1:83:D:GLU:N	9	0.68
(2,467)	1:83:D:GLU:CA	1:83:E:GLU:CA	1	0.68
(2,467)	1:83:A:GLU:CA	1:83:B:GLU:CA	3	0.68
(2,467)	1:83:B:GLU:CA	1:83:C:GLU:CA	4	0.68
(2,467)	1:83:A:GLU:CA	1:83:B:GLU:CA	6	0.68
(2,467)	1:83:D:GLU:CA	1:83:E:GLU:CA	8	0.68
(2,467)	1:83:C:GLU:CA	1:83:D:GLU:CA	9	0.68
(2,466)	1:83:B:GLU:C	1:83:C:GLU:C	1	0.68
(2,466)	1:83:A:GLU:C	1:83:B:GLU:C	2	0.68
(2,466)	1:83:A:GLU:C	1:83:B:GLU:C	4	0.68
(2,466)	1:83:A:GLU:C	1:83:B:GLU:C	6	0.68
(2,466)	1:83:C:GLU:C	1:83:D:GLU:C	9	0.68
(2,465)	1:83:A:GLU:N	1:83:B:GLU:N	1	0.68
(2,465)	1:83:B:GLU:N	1:83:C:GLU:N	4	0.68
(2,465)	1:83:A:GLU:N	1:83:B:GLU:N	6	0.68
(2,465)	1:83:C:GLU:N	1:83:D:GLU:N	8	0.68
(2,465)	1:83:C:GLU:N	1:83:D:GLU:N	9	0.68
(2,464)	1:83:D:GLU:CA	1:83:E:GLU:CA	1	0.68
(2,464)	1:83:A:GLU:CA	1:83:B:GLU:CA	3	0.68
(2,464)	1:83:B:GLU:CA	1:83:C:GLU:CA	4	0.68
(2,464)	1:83:A:GLU:CA	1:83:B:GLU:CA	6	0.68
(2,464)	1:83:D:GLU:CA	1:83:E:GLU:CA	8	0.68
(2,464)	1:83:C:GLU:CA	1:83:D:GLU:CA	9	0.68
(2,463)	1:83:B:GLU:C	1:83:C:GLU:C	1	0.68
(2,463)	1:83:A:GLU:C	1:83:B:GLU:C	2	0.68
(2,463)	1:83:A:GLU:C	1:83:B:GLU:C	4	0.68
(2,463)	1:83:A:GLU:C	1:83:B:GLU:C	6	0.68
(2,463)	1:83:C:GLU:C	1:83:D:GLU:C	9	0.68
(2,462)	1:83:A:GLU:N	1:83:B:GLU:N	1	0.68
(2,462)	1:83:B:GLU:N	1:83:C:GLU:N	4	0.68
(2,462)	1:83:A:GLU:N	1:83:B:GLU:N	6	0.68
(2,462)	1:83:C:GLU:N	1:83:D:GLU:N	8	0.68
(2,462)	1:83:C:GLU:N	1:83:D:GLU:N	9	0.68
(2,461)	1:83:D:GLU:CA	1:83:E:GLU:CA	1	0.68
(2,461)	1:83:A:GLU:CA	1:83:B:GLU:CA	3	0.68
(2,461)	1:83:B:GLU:CA	1:83:C:GLU:CA	4	0.68
(2,461)	1:83:A:GLU:CA	1:83:B:GLU:CA	6	0.68
(2,461)	1:83:D:GLU:CA	1:83:E:GLU:CA	8	0.68
(2,461)	1:83:C:GLU:CA	1:83:D:GLU:CA	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,460)	1:83:B:GLU:C	1:83:C:GLU:C	1	0.68
(2,460)	1:83:A:GLU:C	1:83:B:GLU:C	2	0.68
(2,460)	1:83:A:GLU:C	1:83:B:GLU:C	4	0.68
(2,460)	1:83:A:GLU:C	1:83:B:GLU:C	6	0.68
(2,460)	1:83:C:GLU:C	1:83:D:GLU:C	9	0.68
(2,459)	1:83:A:GLU:N	1:83:B:GLU:N	1	0.68
(2,459)	1:83:B:GLU:N	1:83:C:GLU:N	4	0.68
(2,459)	1:83:A:GLU:N	1:83:B:GLU:N	6	0.68
(2,459)	1:83:C:GLU:N	1:83:D:GLU:N	8	0.68
(2,459)	1:83:C:GLU:N	1:83:D:GLU:N	9	0.68
(2,458)	1:83:D:GLU:CA	1:83:E:GLU:CA	1	0.68
(2,458)	1:83:A:GLU:CA	1:83:B:GLU:CA	3	0.68
(2,458)	1:83:B:GLU:CA	1:83:C:GLU:CA	4	0.68
(2,458)	1:83:A:GLU:CA	1:83:B:GLU:CA	6	0.68
(2,458)	1:83:D:GLU:CA	1:83:E:GLU:CA	8	0.68
(2,458)	1:83:C:GLU:CA	1:83:D:GLU:CA	9	0.68
(2,457)	1:83:B:GLU:C	1:83:C:GLU:C	1	0.68
(2,457)	1:83:A:GLU:C	1:83:B:GLU:C	2	0.68
(2,457)	1:83:A:GLU:C	1:83:B:GLU:C	4	0.68
(2,457)	1:83:A:GLU:C	1:83:B:GLU:C	6	0.68
(2,457)	1:83:C:GLU:C	1:83:D:GLU:C	9	0.68
(2,456)	1:82:A:VAL:N	1:82:B:VAL:N	1	0.68
(2,456)	1:82:A:VAL:N	1:82:B:VAL:N	4	0.68
(2,456)	1:82:A:VAL:N	1:82:B:VAL:N	6	0.68
(2,456)	1:82:A:VAL:N	1:82:B:VAL:N	8	0.68
(2,456)	1:82:D:VAL:N	1:82:E:VAL:N	9	0.68
(2,455)	1:82:D:VAL:CA	1:82:E:VAL:CA	1	0.68
(2,455)	1:82:D:VAL:CA	1:82:E:VAL:CA	4	0.68
(2,455)	1:82:C:VAL:CA	1:82:D:VAL:CA	6	0.68
(2,455)	1:82:D:VAL:CA	1:82:E:VAL:CA	8	0.68
(2,455)	1:82:C:VAL:CA	1:82:D:VAL:CA	9	0.68
(2,454)	1:82:A:VAL:C	1:82:B:VAL:C	1	0.68
(2,454)	1:82:B:VAL:C	1:82:C:VAL:C	4	0.68
(2,454)	1:82:A:VAL:C	1:82:B:VAL:C	6	0.68
(2,454)	1:82:C:VAL:C	1:82:D:VAL:C	8	0.68
(2,454)	1:82:C:VAL:C	1:82:D:VAL:C	9	0.68
(2,453)	1:82:A:VAL:N	1:82:B:VAL:N	1	0.68
(2,453)	1:82:A:VAL:N	1:82:B:VAL:N	4	0.68
(2,453)	1:82:A:VAL:N	1:82:B:VAL:N	6	0.68
(2,453)	1:82:A:VAL:N	1:82:B:VAL:N	8	0.68
(2,453)	1:82:D:VAL:N	1:82:E:VAL:N	9	0.68
(2,452)	1:82:D:VAL:CA	1:82:E:VAL:CA	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,452)	1:82:D:VAL:CA	1:82:E:VAL:CA	4	0.68
(2,452)	1:82:C:VAL:CA	1:82:D:VAL:CA	6	0.68
(2,452)	1:82:D:VAL:CA	1:82:E:VAL:CA	8	0.68
(2,452)	1:82:C:VAL:CA	1:82:D:VAL:CA	9	0.68
(2,451)	1:82:A:VAL:C	1:82:B:VAL:C	1	0.68
(2,451)	1:82:B:VAL:C	1:82:C:VAL:C	4	0.68
(2,451)	1:82:A:VAL:C	1:82:B:VAL:C	6	0.68
(2,451)	1:82:C:VAL:C	1:82:D:VAL:C	8	0.68
(2,451)	1:82:C:VAL:C	1:82:D:VAL:C	9	0.68
(2,450)	1:82:A:VAL:N	1:82:B:VAL:N	1	0.68
(2,450)	1:82:A:VAL:N	1:82:B:VAL:N	4	0.68
(2,450)	1:82:A:VAL:N	1:82:B:VAL:N	6	0.68
(2,450)	1:82:A:VAL:N	1:82:B:VAL:N	8	0.68
(2,450)	1:82:D:VAL:N	1:82:E:VAL:N	9	0.68
(2,449)	1:82:D:VAL:CA	1:82:E:VAL:CA	1	0.68
(2,449)	1:82:D:VAL:CA	1:82:E:VAL:CA	4	0.68
(2,449)	1:82:C:VAL:CA	1:82:D:VAL:CA	6	0.68
(2,449)	1:82:D:VAL:CA	1:82:E:VAL:CA	8	0.68
(2,449)	1:82:C:VAL:CA	1:82:D:VAL:CA	9	0.68
(2,448)	1:82:A:VAL:C	1:82:B:VAL:C	1	0.68
(2,448)	1:82:B:VAL:C	1:82:C:VAL:C	4	0.68
(2,448)	1:82:A:VAL:C	1:82:B:VAL:C	6	0.68
(2,448)	1:82:C:VAL:C	1:82:D:VAL:C	8	0.68
(2,448)	1:82:C:VAL:C	1:82:D:VAL:C	9	0.68
(2,447)	1:82:A:VAL:N	1:82:B:VAL:N	1	0.68
(2,447)	1:82:A:VAL:N	1:82:B:VAL:N	4	0.68
(2,447)	1:82:A:VAL:N	1:82:B:VAL:N	6	0.68
(2,447)	1:82:A:VAL:N	1:82:B:VAL:N	8	0.68
(2,447)	1:82:D:VAL:N	1:82:E:VAL:N	9	0.68
(2,446)	1:82:D:VAL:CA	1:82:E:VAL:CA	1	0.68
(2,446)	1:82:D:VAL:CA	1:82:E:VAL:CA	4	0.68
(2,446)	1:82:C:VAL:CA	1:82:D:VAL:CA	6	0.68
(2,446)	1:82:D:VAL:CA	1:82:E:VAL:CA	8	0.68
(2,446)	1:82:C:VAL:CA	1:82:D:VAL:CA	9	0.68
(2,445)	1:82:A:VAL:C	1:82:B:VAL:C	1	0.68
(2,445)	1:82:B:VAL:C	1:82:C:VAL:C	4	0.68
(2,445)	1:82:A:VAL:C	1:82:B:VAL:C	6	0.68
(2,445)	1:82:C:VAL:C	1:82:D:VAL:C	8	0.68
(2,445)	1:82:C:VAL:C	1:82:D:VAL:C	9	0.68
(2,444)	1:81:A:THR:N	1:81:B:THR:N	1	0.68
(2,444)	1:81:B:THR:N	1:81:C:THR:N	4	0.68
(2,444)	1:81:C:THR:N	1:81:D:THR:N	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,444)	1:81:A:THR:N	1:81:B:THR:N	8	0.68
(2,444)	1:81:C:THR:N	1:81:D:THR:N	9	0.68
(2,443)	1:81:C:THR:CA	1:81:D:THR:CA	1	0.68
(2,443)	1:81:D:THR:CA	1:81:E:THR:CA	2	0.68
(2,443)	1:81:D:THR:CA	1:81:E:THR:CA	3	0.68
(2,443)	1:81:A:THR:CA	1:81:B:THR:CA	4	0.68
(2,443)	1:81:A:THR:CA	1:81:B:THR:CA	6	0.68
(2,443)	1:81:A:THR:CA	1:81:B:THR:CA	8	0.68
(2,443)	1:81:C:THR:CA	1:81:D:THR:CA	9	0.68
(2,442)	1:81:A:THR:C	1:81:B:THR:C	1	0.68
(2,442)	1:81:C:THR:C	1:81:D:THR:C	4	0.68
(2,442)	1:81:A:THR:C	1:81:B:THR:C	6	0.68
(2,442)	1:81:A:THR:C	1:81:B:THR:C	8	0.68
(2,442)	1:81:C:THR:C	1:81:D:THR:C	9	0.68
(2,441)	1:81:A:THR:N	1:81:B:THR:N	1	0.68
(2,441)	1:81:B:THR:N	1:81:C:THR:N	4	0.68
(2,441)	1:81:C:THR:N	1:81:D:THR:N	6	0.68
(2,441)	1:81:A:THR:N	1:81:B:THR:N	8	0.68
(2,441)	1:81:C:THR:N	1:81:D:THR:N	9	0.68
(2,440)	1:81:C:THR:CA	1:81:D:THR:CA	1	0.68
(2,440)	1:81:D:THR:CA	1:81:E:THR:CA	2	0.68
(2,440)	1:81:D:THR:CA	1:81:E:THR:CA	3	0.68
(2,440)	1:81:A:THR:CA	1:81:B:THR:CA	4	0.68
(2,440)	1:81:A:THR:CA	1:81:B:THR:CA	6	0.68
(2,440)	1:81:A:THR:CA	1:81:B:THR:CA	8	0.68
(2,440)	1:81:C:THR:CA	1:81:D:THR:CA	9	0.68
(2,439)	1:81:A:THR:C	1:81:B:THR:C	1	0.68
(2,439)	1:81:C:THR:C	1:81:D:THR:C	4	0.68
(2,439)	1:81:A:THR:C	1:81:B:THR:C	6	0.68
(2,439)	1:81:A:THR:C	1:81:B:THR:C	8	0.68
(2,439)	1:81:C:THR:C	1:81:D:THR:C	9	0.68
(2,438)	1:81:A:THR:N	1:81:B:THR:N	1	0.68
(2,438)	1:81:B:THR:N	1:81:C:THR:N	4	0.68
(2,438)	1:81:C:THR:N	1:81:D:THR:N	6	0.68
(2,438)	1:81:A:THR:N	1:81:B:THR:N	8	0.68
(2,438)	1:81:C:THR:N	1:81:D:THR:N	9	0.68
(2,437)	1:81:C:THR:CA	1:81:D:THR:CA	1	0.68
(2,437)	1:81:D:THR:CA	1:81:E:THR:CA	2	0.68
(2,437)	1:81:D:THR:CA	1:81:E:THR:CA	3	0.68
(2,437)	1:81:A:THR:CA	1:81:B:THR:CA	4	0.68
(2,437)	1:81:A:THR:CA	1:81:B:THR:CA	6	0.68
(2,437)	1:81:A:THR:CA	1:81:B:THR:CA	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,437)	1:81:C:THR:CA	1:81:D:THR:CA	9	0.68
(2,436)	1:81:A:THR:C	1:81:B:THR:C	1	0.68
(2,436)	1:81:C:THR:C	1:81:D:THR:C	4	0.68
(2,436)	1:81:A:THR:C	1:81:B:THR:C	6	0.68
(2,436)	1:81:A:THR:C	1:81:B:THR:C	8	0.68
(2,436)	1:81:C:THR:C	1:81:D:THR:C	9	0.68
(2,435)	1:81:A:THR:N	1:81:B:THR:N	1	0.68
(2,435)	1:81:B:THR:N	1:81:C:THR:N	4	0.68
(2,435)	1:81:C:THR:N	1:81:D:THR:N	6	0.68
(2,435)	1:81:A:THR:N	1:81:B:THR:N	8	0.68
(2,435)	1:81:C:THR:N	1:81:D:THR:N	9	0.68
(2,434)	1:81:C:THR:CA	1:81:D:THR:CA	1	0.68
(2,434)	1:81:D:THR:CA	1:81:E:THR:CA	2	0.68
(2,434)	1:81:D:THR:CA	1:81:E:THR:CA	3	0.68
(2,434)	1:81:A:THR:CA	1:81:B:THR:CA	4	0.68
(2,434)	1:81:A:THR:CA	1:81:B:THR:CA	6	0.68
(2,434)	1:81:A:THR:CA	1:81:B:THR:CA	8	0.68
(2,434)	1:81:C:THR:CA	1:81:D:THR:CA	9	0.68
(2,433)	1:81:A:THR:C	1:81:B:THR:C	1	0.68
(2,433)	1:81:C:THR:C	1:81:D:THR:C	4	0.68
(2,433)	1:81:A:THR:C	1:81:B:THR:C	6	0.68
(2,433)	1:81:A:THR:C	1:81:B:THR:C	8	0.68
(2,433)	1:81:C:THR:C	1:81:D:THR:C	9	0.68
(2,432)	1:80:A:LYS:N	1:80:B:LYS:N	1	0.68
(2,432)	1:80:C:LYS:N	1:80:D:LYS:N	4	0.68
(2,432)	1:80:A:LYS:N	1:80:B:LYS:N	6	0.68
(2,432)	1:80:C:LYS:N	1:80:D:LYS:N	9	0.68
(2,431)	1:80:B:LYS:CA	1:80:C:LYS:CA	1	0.68
(2,431)	1:80:C:LYS:CA	1:80:D:LYS:CA	2	0.68
(2,431)	1:80:A:LYS:CA	1:80:B:LYS:CA	4	0.68
(2,431)	1:80:C:LYS:CA	1:80:D:LYS:CA	6	0.68
(2,431)	1:80:C:LYS:CA	1:80:D:LYS:CA	9	0.68
(2,430)	1:80:B:LYS:C	1:80:C:LYS:C	1	0.68
(2,430)	1:80:A:LYS:C	1:80:B:LYS:C	2	0.68
(2,430)	1:80:A:LYS:C	1:80:B:LYS:C	4	0.68
(2,430)	1:80:C:LYS:C	1:80:D:LYS:C	6	0.68
(2,430)	1:80:A:LYS:C	1:80:B:LYS:C	8	0.68
(2,430)	1:80:C:LYS:C	1:80:D:LYS:C	9	0.68
(2,429)	1:80:A:LYS:N	1:80:B:LYS:N	1	0.68
(2,429)	1:80:C:LYS:N	1:80:D:LYS:N	4	0.68
(2,429)	1:80:A:LYS:N	1:80:B:LYS:N	6	0.68
(2,429)	1:80:C:LYS:N	1:80:D:LYS:N	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,428)	1:80:B:LYS:CA	1:80:C:LYS:CA	1	0.68
(2,428)	1:80:C:LYS:CA	1:80:D:LYS:CA	2	0.68
(2,428)	1:80:A:LYS:CA	1:80:B:LYS:CA	4	0.68
(2,428)	1:80:C:LYS:CA	1:80:D:LYS:CA	6	0.68
(2,428)	1:80:C:LYS:CA	1:80:D:LYS:CA	9	0.68
(2,427)	1:80:B:LYS:C	1:80:C:LYS:C	1	0.68
(2,427)	1:80:A:LYS:C	1:80:B:LYS:C	2	0.68
(2,427)	1:80:A:LYS:C	1:80:B:LYS:C	4	0.68
(2,427)	1:80:C:LYS:C	1:80:D:LYS:C	6	0.68
(2,427)	1:80:A:LYS:C	1:80:B:LYS:C	8	0.68
(2,427)	1:80:C:LYS:C	1:80:D:LYS:C	9	0.68
(2,426)	1:80:A:LYS:N	1:80:B:LYS:N	1	0.68
(2,426)	1:80:C:LYS:N	1:80:D:LYS:N	4	0.68
(2,426)	1:80:A:LYS:N	1:80:B:LYS:N	6	0.68
(2,426)	1:80:C:LYS:N	1:80:D:LYS:N	9	0.68
(2,425)	1:80:B:LYS:CA	1:80:C:LYS:CA	1	0.68
(2,425)	1:80:C:LYS:CA	1:80:D:LYS:CA	2	0.68
(2,425)	1:80:A:LYS:CA	1:80:B:LYS:CA	4	0.68
(2,425)	1:80:C:LYS:CA	1:80:D:LYS:CA	6	0.68
(2,425)	1:80:C:LYS:CA	1:80:D:LYS:CA	9	0.68
(2,424)	1:80:B:LYS:C	1:80:C:LYS:C	1	0.68
(2,424)	1:80:A:LYS:C	1:80:B:LYS:C	2	0.68
(2,424)	1:80:A:LYS:C	1:80:B:LYS:C	4	0.68
(2,424)	1:80:C:LYS:C	1:80:D:LYS:C	6	0.68
(2,424)	1:80:A:LYS:C	1:80:B:LYS:C	8	0.68
(2,424)	1:80:C:LYS:C	1:80:D:LYS:C	9	0.68
(2,423)	1:80:A:LYS:N	1:80:B:LYS:N	1	0.68
(2,423)	1:80:C:LYS:N	1:80:D:LYS:N	4	0.68
(2,423)	1:80:A:LYS:N	1:80:B:LYS:N	6	0.68
(2,423)	1:80:C:LYS:N	1:80:D:LYS:N	9	0.68
(2,422)	1:80:B:LYS:CA	1:80:C:LYS:CA	1	0.68
(2,422)	1:80:C:LYS:CA	1:80:D:LYS:CA	2	0.68
(2,422)	1:80:A:LYS:CA	1:80:B:LYS:CA	4	0.68
(2,422)	1:80:C:LYS:CA	1:80:D:LYS:CA	6	0.68
(2,422)	1:80:C:LYS:CA	1:80:D:LYS:CA	9	0.68
(2,421)	1:80:B:LYS:C	1:80:C:LYS:C	1	0.68
(2,421)	1:80:A:LYS:C	1:80:B:LYS:C	2	0.68
(2,421)	1:80:A:LYS:C	1:80:B:LYS:C	4	0.68
(2,421)	1:80:C:LYS:C	1:80:D:LYS:C	6	0.68
(2,421)	1:80:A:LYS:C	1:80:B:LYS:C	8	0.68
(2,421)	1:80:C:LYS:C	1:80:D:LYS:C	9	0.68
(2,420)	1:79:B:GLN:N	1:79:C:GLN:N	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,420)	1:79:D:GLN:N	1:79:E:GLN:N	2	0.68
(2,420)	1:79:A:GLN:N	1:79:B:GLN:N	4	0.68
(2,420)	1:79:C:GLN:N	1:79:D:GLN:N	6	0.68
(2,420)	1:79:A:GLN:N	1:79:B:GLN:N	8	0.68
(2,420)	1:79:C:GLN:N	1:79:D:GLN:N	9	0.68
(2,419)	1:79:A:GLN:CA	1:79:B:GLN:CA	1	0.68
(2,419)	1:79:C:GLN:CA	1:79:D:GLN:CA	2	0.68
(2,419)	1:79:B:GLN:CA	1:79:C:GLN:CA	4	0.68
(2,419)	1:79:C:GLN:CA	1:79:D:GLN:CA	6	0.68
(2,419)	1:79:C:GLN:CA	1:79:D:GLN:CA	9	0.68
(2,418)	1:79:A:GLN:C	1:79:B:GLN:C	1	0.68
(2,418)	1:79:A:GLN:C	1:79:B:GLN:C	4	0.68
(2,418)	1:79:D:GLN:C	1:79:E:GLN:C	6	0.68
(2,418)	1:79:C:GLN:C	1:79:D:GLN:C	9	0.68
(2,417)	1:79:B:GLN:N	1:79:C:GLN:N	1	0.68
(2,417)	1:79:D:GLN:N	1:79:E:GLN:N	2	0.68
(2,417)	1:79:A:GLN:N	1:79:B:GLN:N	4	0.68
(2,417)	1:79:C:GLN:N	1:79:D:GLN:N	6	0.68
(2,417)	1:79:A:GLN:N	1:79:B:GLN:N	8	0.68
(2,417)	1:79:C:GLN:N	1:79:D:GLN:N	9	0.68
(2,416)	1:79:A:GLN:CA	1:79:B:GLN:CA	1	0.68
(2,416)	1:79:C:GLN:CA	1:79:D:GLN:CA	2	0.68
(2,416)	1:79:B:GLN:CA	1:79:C:GLN:CA	4	0.68
(2,416)	1:79:C:GLN:CA	1:79:D:GLN:CA	6	0.68
(2,416)	1:79:C:GLN:CA	1:79:D:GLN:CA	9	0.68
(2,415)	1:79:A:GLN:C	1:79:B:GLN:C	1	0.68
(2,415)	1:79:A:GLN:C	1:79:B:GLN:C	4	0.68
(2,415)	1:79:D:GLN:C	1:79:E:GLN:C	6	0.68
(2,415)	1:79:C:GLN:C	1:79:D:GLN:C	9	0.68
(2,414)	1:79:B:GLN:N	1:79:C:GLN:N	1	0.68
(2,414)	1:79:D:GLN:N	1:79:E:GLN:N	2	0.68
(2,414)	1:79:A:GLN:N	1:79:B:GLN:N	4	0.68
(2,414)	1:79:C:GLN:N	1:79:D:GLN:N	6	0.68
(2,414)	1:79:A:GLN:N	1:79:B:GLN:N	8	0.68
(2,414)	1:79:C:GLN:N	1:79:D:GLN:N	9	0.68
(2,413)	1:79:A:GLN:CA	1:79:B:GLN:CA	1	0.68
(2,413)	1:79:C:GLN:CA	1:79:D:GLN:CA	2	0.68
(2,413)	1:79:B:GLN:CA	1:79:C:GLN:CA	4	0.68
(2,413)	1:79:C:GLN:CA	1:79:D:GLN:CA	6	0.68
(2,413)	1:79:C:GLN:CA	1:79:D:GLN:CA	9	0.68
(2,412)	1:79:A:GLN:C	1:79:B:GLN:C	1	0.68
(2,412)	1:79:A:GLN:C	1:79:B:GLN:C	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,412)	1:79:D:GLN:C	1:79:E:GLN:C	6	0.68
(2,412)	1:79:C:GLN:C	1:79:D:GLN:C	9	0.68
(2,411)	1:79:B:GLN:N	1:79:C:GLN:N	1	0.68
(2,411)	1:79:D:GLN:N	1:79:E:GLN:N	2	0.68
(2,411)	1:79:A:GLN:N	1:79:B:GLN:N	4	0.68
(2,411)	1:79:C:GLN:N	1:79:D:GLN:N	6	0.68
(2,411)	1:79:A:GLN:N	1:79:B:GLN:N	8	0.68
(2,411)	1:79:C:GLN:N	1:79:D:GLN:N	9	0.68
(2,410)	1:79:A:GLN:CA	1:79:B:GLN:CA	1	0.68
(2,410)	1:79:C:GLN:CA	1:79:D:GLN:CA	2	0.68
(2,410)	1:79:B:GLN:CA	1:79:C:GLN:CA	4	0.68
(2,410)	1:79:C:GLN:CA	1:79:D:GLN:CA	6	0.68
(2,410)	1:79:C:GLN:CA	1:79:D:GLN:CA	9	0.68
(2,409)	1:79:A:GLN:C	1:79:B:GLN:C	1	0.68
(2,409)	1:79:A:GLN:C	1:79:B:GLN:C	4	0.68
(2,409)	1:79:D:GLN:C	1:79:E:GLN:C	6	0.68
(2,409)	1:79:C:GLN:C	1:79:D:GLN:C	9	0.68
(2,408)	1:78:A:ALA:N	1:78:B:ALA:N	1	0.68
(2,408)	1:78:C:ALA:N	1:78:D:ALA:N	4	0.68
(2,408)	1:78:A:ALA:N	1:78:B:ALA:N	6	0.68
(2,408)	1:78:D:ALA:N	1:78:E:ALA:N	8	0.68
(2,408)	1:78:C:ALA:N	1:78:D:ALA:N	9	0.68
(2,407)	1:78:A:ALA:CA	1:78:B:ALA:CA	1	0.68
(2,407)	1:78:B:ALA:CA	1:78:C:ALA:CA	2	0.68
(2,407)	1:78:C:ALA:CA	1:78:D:ALA:CA	4	0.68
(2,407)	1:78:A:ALA:CA	1:78:B:ALA:CA	6	0.68
(2,407)	1:78:B:ALA:CA	1:78:C:ALA:CA	9	0.68
(2,406)	1:78:C:ALA:C	1:78:D:ALA:C	1	0.68
(2,406)	1:78:A:ALA:C	1:78:B:ALA:C	2	0.68
(2,406)	1:78:B:ALA:C	1:78:C:ALA:C	4	0.68
(2,406)	1:78:A:ALA:C	1:78:B:ALA:C	6	0.68
(2,406)	1:78:C:ALA:C	1:78:D:ALA:C	9	0.68
(2,405)	1:78:A:ALA:N	1:78:B:ALA:N	1	0.68
(2,405)	1:78:C:ALA:N	1:78:D:ALA:N	4	0.68
(2,405)	1:78:A:ALA:N	1:78:B:ALA:N	6	0.68
(2,405)	1:78:D:ALA:N	1:78:E:ALA:N	8	0.68
(2,405)	1:78:C:ALA:N	1:78:D:ALA:N	9	0.68
(2,404)	1:78:A:ALA:CA	1:78:B:ALA:CA	1	0.68
(2,404)	1:78:B:ALA:CA	1:78:C:ALA:CA	2	0.68
(2,404)	1:78:C:ALA:CA	1:78:D:ALA:CA	4	0.68
(2,404)	1:78:A:ALA:CA	1:78:B:ALA:CA	6	0.68
(2,404)	1:78:B:ALA:CA	1:78:C:ALA:CA	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,403)	1:78:C:ALA:C	1:78:D:ALA:C	1	0.68
(2,403)	1:78:A:ALA:C	1:78:B:ALA:C	2	0.68
(2,403)	1:78:B:ALA:C	1:78:C:ALA:C	4	0.68
(2,403)	1:78:A:ALA:C	1:78:B:ALA:C	6	0.68
(2,403)	1:78:C:ALA:C	1:78:D:ALA:C	9	0.68
(2,402)	1:78:A:ALA:N	1:78:B:ALA:N	1	0.68
(2,402)	1:78:C:ALA:N	1:78:D:ALA:N	4	0.68
(2,402)	1:78:A:ALA:N	1:78:B:ALA:N	6	0.68
(2,402)	1:78:D:ALA:N	1:78:E:ALA:N	8	0.68
(2,402)	1:78:C:ALA:N	1:78:D:ALA:N	9	0.68
(2,401)	1:78:A:ALA:CA	1:78:B:ALA:CA	1	0.68
(2,401)	1:78:B:ALA:CA	1:78:C:ALA:CA	2	0.68
(2,401)	1:78:C:ALA:CA	1:78:D:ALA:CA	4	0.68
(2,401)	1:78:A:ALA:CA	1:78:B:ALA:CA	6	0.68
(2,401)	1:78:B:ALA:CA	1:78:C:ALA:CA	9	0.68
(2,400)	1:78:C:ALA:C	1:78:D:ALA:C	1	0.68
(2,400)	1:78:A:ALA:C	1:78:B:ALA:C	2	0.68
(2,400)	1:78:B:ALA:C	1:78:C:ALA:C	4	0.68
(2,400)	1:78:A:ALA:C	1:78:B:ALA:C	6	0.68
(2,400)	1:78:C:ALA:C	1:78:D:ALA:C	9	0.68
(2,399)	1:78:A:ALA:N	1:78:B:ALA:N	1	0.68
(2,399)	1:78:C:ALA:N	1:78:D:ALA:N	4	0.68
(2,399)	1:78:A:ALA:N	1:78:B:ALA:N	6	0.68
(2,399)	1:78:D:ALA:N	1:78:E:ALA:N	8	0.68
(2,399)	1:78:C:ALA:N	1:78:D:ALA:N	9	0.68
(2,398)	1:78:A:ALA:CA	1:78:B:ALA:CA	1	0.68
(2,398)	1:78:B:ALA:CA	1:78:C:ALA:CA	2	0.68
(2,398)	1:78:C:ALA:CA	1:78:D:ALA:CA	4	0.68
(2,398)	1:78:A:ALA:CA	1:78:B:ALA:CA	6	0.68
(2,398)	1:78:B:ALA:CA	1:78:C:ALA:CA	9	0.68
(2,397)	1:78:C:ALA:C	1:78:D:ALA:C	1	0.68
(2,397)	1:78:A:ALA:C	1:78:B:ALA:C	2	0.68
(2,397)	1:78:B:ALA:C	1:78:C:ALA:C	4	0.68
(2,397)	1:78:A:ALA:C	1:78:B:ALA:C	6	0.68
(2,397)	1:78:C:ALA:C	1:78:D:ALA:C	9	0.68
(2,396)	1:77:A:VAL:N	1:77:B:VAL:N	1	0.68
(2,396)	1:77:A:VAL:N	1:77:B:VAL:N	2	0.68
(2,396)	1:77:A:VAL:N	1:77:B:VAL:N	3	0.68
(2,396)	1:77:A:VAL:N	1:77:B:VAL:N	4	0.68
(2,396)	1:77:A:VAL:N	1:77:B:VAL:N	6	0.68
(2,396)	1:77:B:VAL:N	1:77:C:VAL:N	9	0.68
(2,395)	1:77:A:VAL:CA	1:77:B:VAL:CA	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,395)	1:77:A:VAL:CA	1:77:B:VAL:CA	4	0.68
(2,395)	1:77:A:VAL:CA	1:77:B:VAL:CA	6	0.68
(2,395)	1:77:B:VAL:CA	1:77:C:VAL:CA	9	0.68
(2,394)	1:77:D:VAL:C	1:77:E:VAL:C	1	0.68
(2,394)	1:77:C:VAL:C	1:77:D:VAL:C	4	0.68
(2,394)	1:77:A:VAL:C	1:77:B:VAL:C	6	0.68
(2,394)	1:77:C:VAL:C	1:77:D:VAL:C	9	0.68
(2,393)	1:77:A:VAL:N	1:77:B:VAL:N	1	0.68
(2,393)	1:77:A:VAL:N	1:77:B:VAL:N	2	0.68
(2,393)	1:77:A:VAL:N	1:77:B:VAL:N	3	0.68
(2,393)	1:77:A:VAL:N	1:77:B:VAL:N	4	0.68
(2,393)	1:77:A:VAL:N	1:77:B:VAL:N	6	0.68
(2,393)	1:77:B:VAL:N	1:77:C:VAL:N	9	0.68
(2,392)	1:77:A:VAL:CA	1:77:B:VAL:CA	1	0.68
(2,392)	1:77:A:VAL:CA	1:77:B:VAL:CA	4	0.68
(2,392)	1:77:A:VAL:CA	1:77:B:VAL:CA	6	0.68
(2,392)	1:77:B:VAL:CA	1:77:C:VAL:CA	9	0.68
(2,391)	1:77:D:VAL:C	1:77:E:VAL:C	1	0.68
(2,391)	1:77:C:VAL:C	1:77:D:VAL:C	4	0.68
(2,391)	1:77:A:VAL:C	1:77:B:VAL:C	6	0.68
(2,391)	1:77:C:VAL:C	1:77:D:VAL:C	9	0.68
(2,390)	1:77:A:VAL:N	1:77:B:VAL:N	1	0.68
(2,390)	1:77:A:VAL:N	1:77:B:VAL:N	2	0.68
(2,390)	1:77:A:VAL:N	1:77:B:VAL:N	3	0.68
(2,390)	1:77:A:VAL:N	1:77:B:VAL:N	4	0.68
(2,390)	1:77:A:VAL:N	1:77:B:VAL:N	6	0.68
(2,390)	1:77:B:VAL:N	1:77:C:VAL:N	9	0.68
(2,389)	1:77:A:VAL:CA	1:77:B:VAL:CA	1	0.68
(2,389)	1:77:A:VAL:CA	1:77:B:VAL:CA	4	0.68
(2,389)	1:77:A:VAL:CA	1:77:B:VAL:CA	6	0.68
(2,389)	1:77:B:VAL:CA	1:77:C:VAL:CA	9	0.68
(2,388)	1:77:D:VAL:C	1:77:E:VAL:C	1	0.68
(2,388)	1:77:C:VAL:C	1:77:D:VAL:C	4	0.68
(2,388)	1:77:A:VAL:C	1:77:B:VAL:C	6	0.68
(2,388)	1:77:C:VAL:C	1:77:D:VAL:C	9	0.68
(2,387)	1:77:A:VAL:N	1:77:B:VAL:N	1	0.68
(2,387)	1:77:A:VAL:N	1:77:B:VAL:N	2	0.68
(2,387)	1:77:A:VAL:N	1:77:B:VAL:N	3	0.68
(2,387)	1:77:A:VAL:N	1:77:B:VAL:N	4	0.68
(2,387)	1:77:A:VAL:N	1:77:B:VAL:N	6	0.68
(2,387)	1:77:B:VAL:N	1:77:C:VAL:N	9	0.68
(2,386)	1:77:A:VAL:CA	1:77:B:VAL:CA	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,386)	1:77:A:VAL:CA	1:77:B:VAL:CA	4	0.68
(2,386)	1:77:A:VAL:CA	1:77:B:VAL:CA	6	0.68
(2,386)	1:77:B:VAL:CA	1:77:C:VAL:CA	9	0.68
(2,385)	1:77:D:VAL:C	1:77:E:VAL:C	1	0.68
(2,385)	1:77:C:VAL:C	1:77:D:VAL:C	4	0.68
(2,385)	1:77:A:VAL:C	1:77:B:VAL:C	6	0.68
(2,385)	1:77:C:VAL:C	1:77:D:VAL:C	9	0.68
(2,384)	1:76:C:ALA:N	1:76:D:ALA:N	1	0.68
(2,384)	1:76:B:ALA:N	1:76:C:ALA:N	4	0.68
(2,384)	1:76:D:ALA:N	1:76:E:ALA:N	6	0.68
(2,384)	1:76:C:ALA:N	1:76:D:ALA:N	9	0.68
(2,383)	1:76:A:ALA:CA	1:76:B:ALA:CA	1	0.68
(2,383)	1:76:B:ALA:CA	1:76:C:ALA:CA	2	0.68
(2,383)	1:76:C:ALA:CA	1:76:D:ALA:CA	4	0.68
(2,383)	1:76:D:ALA:CA	1:76:E:ALA:CA	6	0.68
(2,383)	1:76:C:ALA:CA	1:76:D:ALA:CA	8	0.68
(2,383)	1:76:C:ALA:CA	1:76:D:ALA:CA	9	0.68
(2,382)	1:76:A:ALA:C	1:76:B:ALA:C	1	0.68
(2,382)	1:76:A:ALA:C	1:76:B:ALA:C	2	0.68
(2,382)	1:76:A:ALA:C	1:76:B:ALA:C	4	0.68
(2,382)	1:76:A:ALA:C	1:76:B:ALA:C	6	0.68
(2,382)	1:76:C:ALA:C	1:76:D:ALA:C	9	0.68
(2,381)	1:76:C:ALA:N	1:76:D:ALA:N	1	0.68
(2,381)	1:76:B:ALA:N	1:76:C:ALA:N	4	0.68
(2,381)	1:76:D:ALA:N	1:76:E:ALA:N	6	0.68
(2,381)	1:76:C:ALA:N	1:76:D:ALA:N	9	0.68
(2,380)	1:76:A:ALA:CA	1:76:B:ALA:CA	1	0.68
(2,380)	1:76:B:ALA:CA	1:76:C:ALA:CA	2	0.68
(2,380)	1:76:C:ALA:CA	1:76:D:ALA:CA	4	0.68
(2,380)	1:76:D:ALA:CA	1:76:E:ALA:CA	6	0.68
(2,380)	1:76:C:ALA:CA	1:76:D:ALA:CA	8	0.68
(2,380)	1:76:C:ALA:CA	1:76:D:ALA:CA	9	0.68
(2,379)	1:76:A:ALA:C	1:76:B:ALA:C	1	0.68
(2,379)	1:76:A:ALA:C	1:76:B:ALA:C	2	0.68
(2,379)	1:76:A:ALA:C	1:76:B:ALA:C	4	0.68
(2,379)	1:76:A:ALA:C	1:76:B:ALA:C	6	0.68
(2,379)	1:76:C:ALA:C	1:76:D:ALA:C	9	0.68
(2,378)	1:76:C:ALA:N	1:76:D:ALA:N	1	0.68
(2,378)	1:76:B:ALA:N	1:76:C:ALA:N	4	0.68
(2,378)	1:76:D:ALA:N	1:76:E:ALA:N	6	0.68
(2,378)	1:76:C:ALA:N	1:76:D:ALA:N	9	0.68
(2,377)	1:76:A:ALA:CA	1:76:B:ALA:CA	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,377)	1:76:B:ALA:CA	1:76:C:ALA:CA	2	0.68
(2,377)	1:76:C:ALA:CA	1:76:D:ALA:CA	4	0.68
(2,377)	1:76:D:ALA:CA	1:76:E:ALA:CA	6	0.68
(2,377)	1:76:C:ALA:CA	1:76:D:ALA:CA	8	0.68
(2,377)	1:76:C:ALA:CA	1:76:D:ALA:CA	9	0.68
(2,376)	1:76:A:ALA:C	1:76:B:ALA:C	1	0.68
(2,376)	1:76:A:ALA:C	1:76:B:ALA:C	2	0.68
(2,376)	1:76:A:ALA:C	1:76:B:ALA:C	4	0.68
(2,376)	1:76:A:ALA:C	1:76:B:ALA:C	6	0.68
(2,376)	1:76:C:ALA:C	1:76:D:ALA:C	9	0.68
(2,375)	1:76:C:ALA:N	1:76:D:ALA:N	1	0.68
(2,375)	1:76:B:ALA:N	1:76:C:ALA:N	4	0.68
(2,375)	1:76:D:ALA:N	1:76:E:ALA:N	6	0.68
(2,375)	1:76:C:ALA:N	1:76:D:ALA:N	9	0.68
(2,374)	1:76:A:ALA:CA	1:76:B:ALA:CA	1	0.68
(2,374)	1:76:B:ALA:CA	1:76:C:ALA:CA	2	0.68
(2,374)	1:76:C:ALA:CA	1:76:D:ALA:CA	4	0.68
(2,374)	1:76:D:ALA:CA	1:76:E:ALA:CA	6	0.68
(2,374)	1:76:C:ALA:CA	1:76:D:ALA:CA	8	0.68
(2,374)	1:76:C:ALA:CA	1:76:D:ALA:CA	9	0.68
(2,373)	1:76:A:ALA:C	1:76:B:ALA:C	1	0.68
(2,373)	1:76:A:ALA:C	1:76:B:ALA:C	2	0.68
(2,373)	1:76:A:ALA:C	1:76:B:ALA:C	4	0.68
(2,373)	1:76:A:ALA:C	1:76:B:ALA:C	6	0.68
(2,373)	1:76:C:ALA:C	1:76:D:ALA:C	9	0.68
(2,372)	1:75:B:THR:N	1:75:C:THR:N	1	0.68
(2,372)	1:75:C:THR:N	1:75:D:THR:N	2	0.68
(2,372)	1:75:C:THR:N	1:75:D:THR:N	4	0.68
(2,372)	1:75:D:THR:N	1:75:E:THR:N	6	0.68
(2,372)	1:75:D:THR:N	1:75:E:THR:N	8	0.68
(2,372)	1:75:C:THR:N	1:75:D:THR:N	9	0.68
(2,371)	1:75:A:THR:CA	1:75:B:THR:CA	1	0.68
(2,371)	1:75:B:THR:CA	1:75:C:THR:CA	2	0.68
(2,371)	1:75:C:THR:CA	1:75:D:THR:CA	3	0.68
(2,371)	1:75:A:THR:CA	1:75:B:THR:CA	4	0.68
(2,371)	1:75:A:THR:CA	1:75:B:THR:CA	6	0.68
(2,371)	1:75:D:THR:CA	1:75:E:THR:CA	8	0.68
(2,371)	1:75:C:THR:CA	1:75:D:THR:CA	9	0.68
(2,370)	1:75:C:THR:C	1:75:D:THR:C	1	0.68
(2,370)	1:75:C:THR:C	1:75:D:THR:C	3	0.68
(2,370)	1:75:B:THR:C	1:75:C:THR:C	4	0.68
(2,370)	1:75:D:THR:C	1:75:E:THR:C	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,370)	1:75:D:THR:C	1:75:E:THR:C	8	0.68
(2,370)	1:75:C:THR:C	1:75:D:THR:C	9	0.68
(2,369)	1:75:B:THR:N	1:75:C:THR:N	1	0.68
(2,369)	1:75:C:THR:N	1:75:D:THR:N	2	0.68
(2,369)	1:75:C:THR:N	1:75:D:THR:N	4	0.68
(2,369)	1:75:D:THR:N	1:75:E:THR:N	6	0.68
(2,369)	1:75:D:THR:N	1:75:E:THR:N	8	0.68
(2,369)	1:75:C:THR:N	1:75:D:THR:N	9	0.68
(2,368)	1:75:A:THR:CA	1:75:B:THR:CA	1	0.68
(2,368)	1:75:B:THR:CA	1:75:C:THR:CA	2	0.68
(2,368)	1:75:C:THR:CA	1:75:D:THR:CA	3	0.68
(2,368)	1:75:A:THR:CA	1:75:B:THR:CA	4	0.68
(2,368)	1:75:A:THR:CA	1:75:B:THR:CA	6	0.68
(2,368)	1:75:D:THR:CA	1:75:E:THR:CA	8	0.68
(2,368)	1:75:C:THR:CA	1:75:D:THR:CA	9	0.68
(2,367)	1:75:C:THR:C	1:75:D:THR:C	1	0.68
(2,367)	1:75:C:THR:C	1:75:D:THR:C	3	0.68
(2,367)	1:75:B:THR:C	1:75:C:THR:C	4	0.68
(2,367)	1:75:D:THR:C	1:75:E:THR:C	6	0.68
(2,367)	1:75:D:THR:C	1:75:E:THR:C	8	0.68
(2,367)	1:75:C:THR:C	1:75:D:THR:C	9	0.68
(2,366)	1:75:B:THR:N	1:75:C:THR:N	1	0.68
(2,366)	1:75:C:THR:N	1:75:D:THR:N	2	0.68
(2,366)	1:75:C:THR:N	1:75:D:THR:N	4	0.68
(2,366)	1:75:D:THR:N	1:75:E:THR:N	6	0.68
(2,366)	1:75:D:THR:N	1:75:E:THR:N	8	0.68
(2,366)	1:75:C:THR:N	1:75:D:THR:N	9	0.68
(2,365)	1:75:A:THR:CA	1:75:B:THR:CA	1	0.68
(2,365)	1:75:B:THR:CA	1:75:C:THR:CA	2	0.68
(2,365)	1:75:C:THR:CA	1:75:D:THR:CA	3	0.68
(2,365)	1:75:A:THR:CA	1:75:B:THR:CA	4	0.68
(2,365)	1:75:A:THR:CA	1:75:B:THR:CA	6	0.68
(2,365)	1:75:D:THR:CA	1:75:E:THR:CA	8	0.68
(2,365)	1:75:C:THR:CA	1:75:D:THR:CA	9	0.68
(2,364)	1:75:C:THR:C	1:75:D:THR:C	1	0.68
(2,364)	1:75:C:THR:C	1:75:D:THR:C	3	0.68
(2,364)	1:75:B:THR:C	1:75:C:THR:C	4	0.68
(2,364)	1:75:D:THR:C	1:75:E:THR:C	6	0.68
(2,364)	1:75:D:THR:C	1:75:E:THR:C	8	0.68
(2,364)	1:75:C:THR:C	1:75:D:THR:C	9	0.68
(2,363)	1:75:B:THR:N	1:75:C:THR:N	1	0.68
(2,363)	1:75:C:THR:N	1:75:D:THR:N	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,363)	1:75:C:THR:N	1:75:D:THR:N	4	0.68
(2,363)	1:75:D:THR:N	1:75:E:THR:N	6	0.68
(2,363)	1:75:D:THR:N	1:75:E:THR:N	8	0.68
(2,363)	1:75:C:THR:N	1:75:D:THR:N	9	0.68
(2,362)	1:75:A:THR:CA	1:75:B:THR:CA	1	0.68
(2,362)	1:75:B:THR:CA	1:75:C:THR:CA	2	0.68
(2,362)	1:75:C:THR:CA	1:75:D:THR:CA	3	0.68
(2,362)	1:75:A:THR:CA	1:75:B:THR:CA	4	0.68
(2,362)	1:75:A:THR:CA	1:75:B:THR:CA	6	0.68
(2,362)	1:75:D:THR:CA	1:75:E:THR:CA	8	0.68
(2,362)	1:75:C:THR:CA	1:75:D:THR:CA	9	0.68
(2,361)	1:75:C:THR:C	1:75:D:THR:C	1	0.68
(2,361)	1:75:C:THR:C	1:75:D:THR:C	3	0.68
(2,361)	1:75:B:THR:C	1:75:C:THR:C	4	0.68
(2,361)	1:75:D:THR:C	1:75:E:THR:C	6	0.68
(2,361)	1:75:D:THR:C	1:75:E:THR:C	8	0.68
(2,361)	1:75:C:THR:C	1:75:D:THR:C	9	0.68
(2,360)	1:74:A:VAL:N	1:74:B:VAL:N	1	0.68
(2,360)	1:74:D:VAL:N	1:74:E:VAL:N	2	0.68
(2,360)	1:74:B:VAL:N	1:74:C:VAL:N	4	0.68
(2,360)	1:74:C:VAL:N	1:74:D:VAL:N	6	0.68
(2,360)	1:74:C:VAL:N	1:74:D:VAL:N	9	0.68
(2,359)	1:74:A:VAL:CA	1:74:B:VAL:CA	1	0.68
(2,359)	1:74:D:VAL:CA	1:74:E:VAL:CA	4	0.68
(2,359)	1:74:D:VAL:CA	1:74:E:VAL:CA	6	0.68
(2,359)	1:74:A:VAL:CA	1:74:B:VAL:CA	8	0.68
(2,359)	1:74:A:VAL:CA	1:74:B:VAL:CA	9	0.68
(2,358)	1:74:A:VAL:C	1:74:B:VAL:C	1	0.68
(2,358)	1:74:A:VAL:C	1:74:B:VAL:C	4	0.68
(2,358)	1:74:A:VAL:C	1:74:B:VAL:C	6	0.68
(2,358)	1:74:C:VAL:C	1:74:D:VAL:C	9	0.68
(2,357)	1:74:A:VAL:N	1:74:B:VAL:N	1	0.68
(2,357)	1:74:D:VAL:N	1:74:E:VAL:N	2	0.68
(2,357)	1:74:B:VAL:N	1:74:C:VAL:N	4	0.68
(2,357)	1:74:C:VAL:N	1:74:D:VAL:N	6	0.68
(2,357)	1:74:C:VAL:N	1:74:D:VAL:N	9	0.68
(2,356)	1:74:A:VAL:CA	1:74:B:VAL:CA	1	0.68
(2,356)	1:74:D:VAL:CA	1:74:E:VAL:CA	4	0.68
(2,356)	1:74:D:VAL:CA	1:74:E:VAL:CA	6	0.68
(2,356)	1:74:A:VAL:CA	1:74:B:VAL:CA	8	0.68
(2,356)	1:74:A:VAL:CA	1:74:B:VAL:CA	9	0.68
(2,355)	1:74:A:VAL:C	1:74:B:VAL:C	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,355)	1:74:A:VAL:C	1:74:B:VAL:C	4	0.68
(2,355)	1:74:A:VAL:C	1:74:B:VAL:C	6	0.68
(2,355)	1:74:C:VAL:C	1:74:D:VAL:C	9	0.68
(2,354)	1:74:A:VAL:N	1:74:B:VAL:N	1	0.68
(2,354)	1:74:D:VAL:N	1:74:E:VAL:N	2	0.68
(2,354)	1:74:B:VAL:N	1:74:C:VAL:N	4	0.68
(2,354)	1:74:C:VAL:N	1:74:D:VAL:N	6	0.68
(2,354)	1:74:C:VAL:N	1:74:D:VAL:N	9	0.68
(2,353)	1:74:A:VAL:CA	1:74:B:VAL:CA	1	0.68
(2,353)	1:74:D:VAL:CA	1:74:E:VAL:CA	4	0.68
(2,353)	1:74:D:VAL:CA	1:74:E:VAL:CA	6	0.68
(2,353)	1:74:A:VAL:CA	1:74:B:VAL:CA	8	0.68
(2,353)	1:74:A:VAL:CA	1:74:B:VAL:CA	9	0.68
(2,352)	1:74:A:VAL:C	1:74:B:VAL:C	1	0.68
(2,352)	1:74:A:VAL:C	1:74:B:VAL:C	4	0.68
(2,352)	1:74:A:VAL:C	1:74:B:VAL:C	6	0.68
(2,352)	1:74:C:VAL:C	1:74:D:VAL:C	9	0.68
(2,351)	1:74:A:VAL:N	1:74:B:VAL:N	1	0.68
(2,351)	1:74:D:VAL:N	1:74:E:VAL:N	2	0.68
(2,351)	1:74:B:VAL:N	1:74:C:VAL:N	4	0.68
(2,351)	1:74:C:VAL:N	1:74:D:VAL:N	6	0.68
(2,351)	1:74:C:VAL:N	1:74:D:VAL:N	9	0.68
(2,350)	1:74:A:VAL:CA	1:74:B:VAL:CA	1	0.68
(2,350)	1:74:D:VAL:CA	1:74:E:VAL:CA	4	0.68
(2,350)	1:74:D:VAL:CA	1:74:E:VAL:CA	6	0.68
(2,350)	1:74:A:VAL:CA	1:74:B:VAL:CA	8	0.68
(2,350)	1:74:A:VAL:CA	1:74:B:VAL:CA	9	0.68
(2,349)	1:74:A:VAL:C	1:74:B:VAL:C	1	0.68
(2,349)	1:74:A:VAL:C	1:74:B:VAL:C	4	0.68
(2,349)	1:74:A:VAL:C	1:74:B:VAL:C	6	0.68
(2,349)	1:74:C:VAL:C	1:74:D:VAL:C	9	0.68
(2,348)	1:72:C:THR:N	1:72:D:THR:N	1	0.68
(2,348)	1:72:A:THR:N	1:72:B:THR:N	2	0.68
(2,348)	1:72:D:THR:N	1:72:E:THR:N	4	0.68
(2,348)	1:72:C:THR:N	1:72:D:THR:N	6	0.68
(2,348)	1:72:C:THR:N	1:72:D:THR:N	8	0.68
(2,348)	1:72:C:THR:N	1:72:D:THR:N	9	0.68
(2,347)	1:72:C:THR:CA	1:72:D:THR:CA	1	0.68
(2,347)	1:72:B:THR:CA	1:72:C:THR:CA	2	0.68
(2,347)	1:72:C:THR:CA	1:72:D:THR:CA	4	0.68
(2,347)	1:72:C:THR:CA	1:72:D:THR:CA	6	0.68
(2,347)	1:72:D:THR:CA	1:72:E:THR:CA	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:72:C:THR:CA	1:72:D:THR:CA	9	0.68
(2,346)	1:72:B:THR:C	1:72:C:THR:C	1	0.68
(2,346)	1:72:B:THR:C	1:72:C:THR:C	2	0.68
(2,346)	1:72:A:THR:C	1:72:B:THR:C	4	0.68
(2,346)	1:72:A:THR:C	1:72:B:THR:C	6	0.68
(2,346)	1:72:C:THR:C	1:72:D:THR:C	9	0.68
(2,345)	1:72:C:THR:N	1:72:D:THR:N	1	0.68
(2,345)	1:72:A:THR:N	1:72:B:THR:N	2	0.68
(2,345)	1:72:D:THR:N	1:72:E:THR:N	4	0.68
(2,345)	1:72:C:THR:N	1:72:D:THR:N	6	0.68
(2,345)	1:72:C:THR:N	1:72:D:THR:N	8	0.68
(2,345)	1:72:C:THR:N	1:72:D:THR:N	9	0.68
(2,344)	1:72:C:THR:CA	1:72:D:THR:CA	1	0.68
(2,344)	1:72:B:THR:CA	1:72:C:THR:CA	2	0.68
(2,344)	1:72:C:THR:CA	1:72:D:THR:CA	4	0.68
(2,344)	1:72:C:THR:CA	1:72:D:THR:CA	6	0.68
(2,344)	1:72:D:THR:CA	1:72:E:THR:CA	8	0.68
(2,344)	1:72:C:THR:CA	1:72:D:THR:CA	9	0.68
(2,343)	1:72:B:THR:C	1:72:C:THR:C	1	0.68
(2,343)	1:72:B:THR:C	1:72:C:THR:C	2	0.68
(2,343)	1:72:A:THR:C	1:72:B:THR:C	4	0.68
(2,343)	1:72:A:THR:C	1:72:B:THR:C	6	0.68
(2,343)	1:72:C:THR:C	1:72:D:THR:C	9	0.68
(2,342)	1:72:C:THR:N	1:72:D:THR:N	1	0.68
(2,342)	1:72:A:THR:N	1:72:B:THR:N	2	0.68
(2,342)	1:72:D:THR:N	1:72:E:THR:N	4	0.68
(2,342)	1:72:C:THR:N	1:72:D:THR:N	6	0.68
(2,342)	1:72:C:THR:N	1:72:D:THR:N	8	0.68
(2,342)	1:72:C:THR:N	1:72:D:THR:N	9	0.68
(2,341)	1:72:C:THR:CA	1:72:D:THR:CA	1	0.68
(2,341)	1:72:B:THR:CA	1:72:C:THR:CA	2	0.68
(2,341)	1:72:C:THR:CA	1:72:D:THR:CA	4	0.68
(2,341)	1:72:C:THR:CA	1:72:D:THR:CA	6	0.68
(2,341)	1:72:D:THR:CA	1:72:E:THR:CA	8	0.68
(2,341)	1:72:C:THR:CA	1:72:D:THR:CA	9	0.68
(2,340)	1:72:B:THR:C	1:72:C:THR:C	1	0.68
(2,340)	1:72:B:THR:C	1:72:C:THR:C	2	0.68
(2,340)	1:72:A:THR:C	1:72:B:THR:C	4	0.68
(2,340)	1:72:A:THR:C	1:72:B:THR:C	6	0.68
(2,340)	1:72:C:THR:C	1:72:D:THR:C	9	0.68
(2,339)	1:72:C:THR:N	1:72:D:THR:N	1	0.68
(2,339)	1:72:A:THR:N	1:72:B:THR:N	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,339)	1:72:D:THR:N	1:72:E:THR:N	4	0.68
(2,339)	1:72:C:THR:N	1:72:D:THR:N	6	0.68
(2,339)	1:72:C:THR:N	1:72:D:THR:N	8	0.68
(2,339)	1:72:C:THR:N	1:72:D:THR:N	9	0.68
(2,338)	1:72:C:THR:CA	1:72:D:THR:CA	1	0.68
(2,338)	1:72:B:THR:CA	1:72:C:THR:CA	2	0.68
(2,338)	1:72:C:THR:CA	1:72:D:THR:CA	4	0.68
(2,338)	1:72:C:THR:CA	1:72:D:THR:CA	6	0.68
(2,338)	1:72:D:THR:CA	1:72:E:THR:CA	8	0.68
(2,338)	1:72:C:THR:CA	1:72:D:THR:CA	9	0.68
(2,337)	1:72:B:THR:C	1:72:C:THR:C	1	0.68
(2,337)	1:72:B:THR:C	1:72:C:THR:C	2	0.68
(2,337)	1:72:A:THR:C	1:72:B:THR:C	4	0.68
(2,337)	1:72:A:THR:C	1:72:B:THR:C	6	0.68
(2,337)	1:72:C:THR:C	1:72:D:THR:C	9	0.68
(2,336)	1:71:A:VAL:N	1:71:B:VAL:N	1	0.68
(2,336)	1:71:C:VAL:N	1:71:D:VAL:N	2	0.68
(2,336)	1:71:D:VAL:N	1:71:E:VAL:N	4	0.68
(2,336)	1:71:A:VAL:N	1:71:B:VAL:N	6	0.68
(2,336)	1:71:A:VAL:N	1:71:B:VAL:N	8	0.68
(2,336)	1:71:A:VAL:N	1:71:B:VAL:N	9	0.68
(2,335)	1:71:D:VAL:CA	1:71:E:VAL:CA	1	0.68
(2,335)	1:71:D:VAL:CA	1:71:E:VAL:CA	2	0.68
(2,335)	1:71:C:VAL:CA	1:71:D:VAL:CA	3	0.68
(2,335)	1:71:D:VAL:CA	1:71:E:VAL:CA	4	0.68
(2,335)	1:71:C:VAL:CA	1:71:D:VAL:CA	6	0.68
(2,335)	1:71:C:VAL:CA	1:71:D:VAL:CA	8	0.68
(2,335)	1:71:C:VAL:CA	1:71:D:VAL:CA	9	0.68
(2,334)	1:71:A:VAL:C	1:71:B:VAL:C	1	0.68
(2,334)	1:71:B:VAL:C	1:71:C:VAL:C	2	0.68
(2,334)	1:71:D:VAL:C	1:71:E:VAL:C	4	0.68
(2,334)	1:71:A:VAL:C	1:71:B:VAL:C	6	0.68
(2,334)	1:71:C:VAL:C	1:71:D:VAL:C	8	0.68
(2,334)	1:71:C:VAL:C	1:71:D:VAL:C	9	0.68
(2,333)	1:71:A:VAL:N	1:71:B:VAL:N	1	0.68
(2,333)	1:71:C:VAL:N	1:71:D:VAL:N	2	0.68
(2,333)	1:71:D:VAL:N	1:71:E:VAL:N	4	0.68
(2,333)	1:71:A:VAL:N	1:71:B:VAL:N	6	0.68
(2,333)	1:71:A:VAL:N	1:71:B:VAL:N	8	0.68
(2,333)	1:71:A:VAL:N	1:71:B:VAL:N	9	0.68
(2,332)	1:71:D:VAL:CA	1:71:E:VAL:CA	1	0.68
(2,332)	1:71:D:VAL:CA	1:71:E:VAL:CA	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,332)	1:71:C:VAL:CA	1:71:D:VAL:CA	3	0.68
(2,332)	1:71:D:VAL:CA	1:71:E:VAL:CA	4	0.68
(2,332)	1:71:C:VAL:CA	1:71:D:VAL:CA	6	0.68
(2,332)	1:71:C:VAL:CA	1:71:D:VAL:CA	8	0.68
(2,332)	1:71:C:VAL:CA	1:71:D:VAL:CA	9	0.68
(2,331)	1:71:A:VAL:C	1:71:B:VAL:C	1	0.68
(2,331)	1:71:B:VAL:C	1:71:C:VAL:C	2	0.68
(2,331)	1:71:D:VAL:C	1:71:E:VAL:C	4	0.68
(2,331)	1:71:A:VAL:C	1:71:B:VAL:C	6	0.68
(2,331)	1:71:C:VAL:C	1:71:D:VAL:C	8	0.68
(2,331)	1:71:C:VAL:C	1:71:D:VAL:C	9	0.68
(2,330)	1:71:A:VAL:N	1:71:B:VAL:N	1	0.68
(2,330)	1:71:C:VAL:N	1:71:D:VAL:N	2	0.68
(2,330)	1:71:D:VAL:N	1:71:E:VAL:N	4	0.68
(2,330)	1:71:A:VAL:N	1:71:B:VAL:N	6	0.68
(2,330)	1:71:A:VAL:N	1:71:B:VAL:N	8	0.68
(2,330)	1:71:A:VAL:N	1:71:B:VAL:N	9	0.68
(2,329)	1:71:D:VAL:CA	1:71:E:VAL:CA	1	0.68
(2,329)	1:71:D:VAL:CA	1:71:E:VAL:CA	2	0.68
(2,329)	1:71:C:VAL:CA	1:71:D:VAL:CA	3	0.68
(2,329)	1:71:D:VAL:CA	1:71:E:VAL:CA	4	0.68
(2,329)	1:71:C:VAL:CA	1:71:D:VAL:CA	6	0.68
(2,329)	1:71:C:VAL:CA	1:71:D:VAL:CA	8	0.68
(2,329)	1:71:C:VAL:CA	1:71:D:VAL:CA	9	0.68
(2,328)	1:71:A:VAL:C	1:71:B:VAL:C	1	0.68
(2,328)	1:71:B:VAL:C	1:71:C:VAL:C	2	0.68
(2,328)	1:71:D:VAL:C	1:71:E:VAL:C	4	0.68
(2,328)	1:71:A:VAL:C	1:71:B:VAL:C	6	0.68
(2,328)	1:71:C:VAL:C	1:71:D:VAL:C	8	0.68
(2,328)	1:71:C:VAL:C	1:71:D:VAL:C	9	0.68
(2,327)	1:71:A:VAL:N	1:71:B:VAL:N	1	0.68
(2,327)	1:71:C:VAL:N	1:71:D:VAL:N	2	0.68
(2,327)	1:71:D:VAL:N	1:71:E:VAL:N	4	0.68
(2,327)	1:71:A:VAL:N	1:71:B:VAL:N	6	0.68
(2,327)	1:71:A:VAL:N	1:71:B:VAL:N	8	0.68
(2,327)	1:71:A:VAL:N	1:71:B:VAL:N	9	0.68
(2,326)	1:71:D:VAL:CA	1:71:E:VAL:CA	1	0.68
(2,326)	1:71:D:VAL:CA	1:71:E:VAL:CA	2	0.68
(2,326)	1:71:C:VAL:CA	1:71:D:VAL:CA	3	0.68
(2,326)	1:71:D:VAL:CA	1:71:E:VAL:CA	4	0.68
(2,326)	1:71:C:VAL:CA	1:71:D:VAL:CA	6	0.68
(2,326)	1:71:C:VAL:CA	1:71:D:VAL:CA	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,326)	1:71:C:VAL:CA	1:71:D:VAL:CA	9	0.68
(2,325)	1:71:A:VAL:C	1:71:B:VAL:C	1	0.68
(2,325)	1:71:B:VAL:C	1:71:C:VAL:C	2	0.68
(2,325)	1:71:D:VAL:C	1:71:E:VAL:C	4	0.68
(2,325)	1:71:A:VAL:C	1:71:B:VAL:C	6	0.68
(2,325)	1:71:C:VAL:C	1:71:D:VAL:C	8	0.68
(2,325)	1:71:C:VAL:C	1:71:D:VAL:C	9	0.68
(2,324)	1:70:A:VAL:N	1:70:B:VAL:N	1	0.68
(2,324)	1:70:A:VAL:N	1:70:B:VAL:N	4	0.68
(2,324)	1:70:D:VAL:N	1:70:E:VAL:N	6	0.68
(2,324)	1:70:D:VAL:N	1:70:E:VAL:N	8	0.68
(2,324)	1:70:C:VAL:N	1:70:D:VAL:N	9	0.68
(2,323)	1:70:A:VAL:CA	1:70:B:VAL:CA	1	0.68
(2,323)	1:70:D:VAL:CA	1:70:E:VAL:CA	4	0.68
(2,323)	1:70:A:VAL:CA	1:70:B:VAL:CA	6	0.68
(2,323)	1:70:D:VAL:CA	1:70:E:VAL:CA	8	0.68
(2,323)	1:70:A:VAL:CA	1:70:B:VAL:CA	9	0.68
(2,322)	1:70:C:VAL:C	1:70:D:VAL:C	1	0.68
(2,322)	1:70:A:VAL:C	1:70:B:VAL:C	2	0.68
(2,322)	1:70:B:VAL:C	1:70:C:VAL:C	4	0.68
(2,322)	1:70:D:VAL:C	1:70:E:VAL:C	6	0.68
(2,322)	1:70:C:VAL:C	1:70:D:VAL:C	9	0.68
(2,321)	1:70:A:VAL:N	1:70:B:VAL:N	1	0.68
(2,321)	1:70:A:VAL:N	1:70:B:VAL:N	4	0.68
(2,321)	1:70:D:VAL:N	1:70:E:VAL:N	6	0.68
(2,321)	1:70:D:VAL:N	1:70:E:VAL:N	8	0.68
(2,321)	1:70:C:VAL:N	1:70:D:VAL:N	9	0.68
(2,320)	1:70:A:VAL:CA	1:70:B:VAL:CA	1	0.68
(2,320)	1:70:D:VAL:CA	1:70:E:VAL:CA	4	0.68
(2,320)	1:70:A:VAL:CA	1:70:B:VAL:CA	6	0.68
(2,320)	1:70:D:VAL:CA	1:70:E:VAL:CA	8	0.68
(2,320)	1:70:A:VAL:CA	1:70:B:VAL:CA	9	0.68
(2,319)	1:70:C:VAL:C	1:70:D:VAL:C	1	0.68
(2,319)	1:70:A:VAL:C	1:70:B:VAL:C	2	0.68
(2,319)	1:70:B:VAL:C	1:70:C:VAL:C	4	0.68
(2,319)	1:70:D:VAL:C	1:70:E:VAL:C	6	0.68
(2,319)	1:70:C:VAL:C	1:70:D:VAL:C	9	0.68
(2,318)	1:70:A:VAL:N	1:70:B:VAL:N	1	0.68
(2,318)	1:70:A:VAL:N	1:70:B:VAL:N	4	0.68
(2,318)	1:70:D:VAL:N	1:70:E:VAL:N	6	0.68
(2,318)	1:70:D:VAL:N	1:70:E:VAL:N	8	0.68
(2,318)	1:70:C:VAL:N	1:70:D:VAL:N	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,317)	1:70:A:VAL:CA	1:70:B:VAL:CA	1	0.68
(2,317)	1:70:D:VAL:CA	1:70:E:VAL:CA	4	0.68
(2,317)	1:70:A:VAL:CA	1:70:B:VAL:CA	6	0.68
(2,317)	1:70:D:VAL:CA	1:70:E:VAL:CA	8	0.68
(2,317)	1:70:A:VAL:CA	1:70:B:VAL:CA	9	0.68
(2,316)	1:70:C:VAL:C	1:70:D:VAL:C	1	0.68
(2,316)	1:70:A:VAL:C	1:70:B:VAL:C	2	0.68
(2,316)	1:70:B:VAL:C	1:70:C:VAL:C	4	0.68
(2,316)	1:70:D:VAL:C	1:70:E:VAL:C	6	0.68
(2,316)	1:70:C:VAL:C	1:70:D:VAL:C	9	0.68
(2,315)	1:70:A:VAL:N	1:70:B:VAL:N	1	0.68
(2,315)	1:70:A:VAL:N	1:70:B:VAL:N	4	0.68
(2,315)	1:70:D:VAL:N	1:70:E:VAL:N	6	0.68
(2,315)	1:70:D:VAL:N	1:70:E:VAL:N	8	0.68
(2,315)	1:70:C:VAL:N	1:70:D:VAL:N	9	0.68
(2,314)	1:70:A:VAL:CA	1:70:B:VAL:CA	1	0.68
(2,314)	1:70:D:VAL:CA	1:70:E:VAL:CA	4	0.68
(2,314)	1:70:A:VAL:CA	1:70:B:VAL:CA	6	0.68
(2,314)	1:70:D:VAL:CA	1:70:E:VAL:CA	8	0.68
(2,314)	1:70:A:VAL:CA	1:70:B:VAL:CA	9	0.68
(2,313)	1:70:C:VAL:C	1:70:D:VAL:C	1	0.68
(2,313)	1:70:A:VAL:C	1:70:B:VAL:C	2	0.68
(2,313)	1:70:B:VAL:C	1:70:C:VAL:C	4	0.68
(2,313)	1:70:D:VAL:C	1:70:E:VAL:C	6	0.68
(2,313)	1:70:C:VAL:C	1:70:D:VAL:C	9	0.68
(2,312)	1:69:D:ALA:N	1:69:E:ALA:N	1	0.68
(2,312)	1:69:D:ALA:N	1:69:E:ALA:N	2	0.68
(2,312)	1:69:D:ALA:N	1:69:E:ALA:N	3	0.68
(2,312)	1:69:B:ALA:N	1:69:C:ALA:N	4	0.68
(2,312)	1:69:A:ALA:N	1:69:B:ALA:N	6	0.68
(2,312)	1:69:C:ALA:N	1:69:D:ALA:N	9	0.68
(2,311)	1:69:B:ALA:CA	1:69:C:ALA:CA	1	0.68
(2,311)	1:69:C:ALA:CA	1:69:D:ALA:CA	4	0.68
(2,311)	1:69:C:ALA:CA	1:69:D:ALA:CA	6	0.68
(2,311)	1:69:C:ALA:CA	1:69:D:ALA:CA	9	0.68
(2,310)	1:69:A:ALA:C	1:69:B:ALA:C	1	0.68
(2,310)	1:69:B:ALA:C	1:69:C:ALA:C	4	0.68
(2,310)	1:69:A:ALA:C	1:69:B:ALA:C	6	0.68
(2,310)	1:69:C:ALA:C	1:69:D:ALA:C	9	0.68
(2,309)	1:69:D:ALA:N	1:69:E:ALA:N	1	0.68
(2,309)	1:69:D:ALA:N	1:69:E:ALA:N	2	0.68
(2,309)	1:69:D:ALA:N	1:69:E:ALA:N	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,309)	1:69:B:ALA:N	1:69:C:ALA:N	4	0.68
(2,309)	1:69:A:ALA:N	1:69:B:ALA:N	6	0.68
(2,309)	1:69:C:ALA:N	1:69:D:ALA:N	9	0.68
(2,308)	1:69:B:ALA:CA	1:69:C:ALA:CA	1	0.68
(2,308)	1:69:C:ALA:CA	1:69:D:ALA:CA	4	0.68
(2,308)	1:69:C:ALA:CA	1:69:D:ALA:CA	6	0.68
(2,308)	1:69:C:ALA:CA	1:69:D:ALA:CA	9	0.68
(2,307)	1:69:A:ALA:C	1:69:B:ALA:C	1	0.68
(2,307)	1:69:B:ALA:C	1:69:C:ALA:C	4	0.68
(2,307)	1:69:A:ALA:C	1:69:B:ALA:C	6	0.68
(2,307)	1:69:C:ALA:C	1:69:D:ALA:C	9	0.68
(2,306)	1:69:D:ALA:N	1:69:E:ALA:N	1	0.68
(2,306)	1:69:D:ALA:N	1:69:E:ALA:N	2	0.68
(2,306)	1:69:D:ALA:N	1:69:E:ALA:N	3	0.68
(2,306)	1:69:B:ALA:N	1:69:C:ALA:N	4	0.68
(2,306)	1:69:A:ALA:N	1:69:B:ALA:N	6	0.68
(2,306)	1:69:C:ALA:N	1:69:D:ALA:N	9	0.68
(2,305)	1:69:B:ALA:CA	1:69:C:ALA:CA	1	0.68
(2,305)	1:69:C:ALA:CA	1:69:D:ALA:CA	4	0.68
(2,305)	1:69:C:ALA:CA	1:69:D:ALA:CA	6	0.68
(2,305)	1:69:C:ALA:CA	1:69:D:ALA:CA	9	0.68
(2,304)	1:69:A:ALA:C	1:69:B:ALA:C	1	0.68
(2,304)	1:69:B:ALA:C	1:69:C:ALA:C	4	0.68
(2,304)	1:69:A:ALA:C	1:69:B:ALA:C	6	0.68
(2,304)	1:69:C:ALA:C	1:69:D:ALA:C	9	0.68
(2,303)	1:69:D:ALA:N	1:69:E:ALA:N	1	0.68
(2,303)	1:69:D:ALA:N	1:69:E:ALA:N	2	0.68
(2,303)	1:69:D:ALA:N	1:69:E:ALA:N	3	0.68
(2,303)	1:69:B:ALA:N	1:69:C:ALA:N	4	0.68
(2,303)	1:69:A:ALA:N	1:69:B:ALA:N	6	0.68
(2,303)	1:69:C:ALA:N	1:69:D:ALA:N	9	0.68
(2,302)	1:69:B:ALA:CA	1:69:C:ALA:CA	1	0.68
(2,302)	1:69:C:ALA:CA	1:69:D:ALA:CA	4	0.68
(2,302)	1:69:C:ALA:CA	1:69:D:ALA:CA	6	0.68
(2,302)	1:69:C:ALA:CA	1:69:D:ALA:CA	9	0.68
(2,301)	1:69:A:ALA:C	1:69:B:ALA:C	1	0.68
(2,301)	1:69:B:ALA:C	1:69:C:ALA:C	4	0.68
(2,301)	1:69:A:ALA:C	1:69:B:ALA:C	6	0.68
(2,301)	1:69:C:ALA:C	1:69:D:ALA:C	9	0.68
(2,300)	1:66:A:VAL:N	1:66:B:VAL:N	1	0.68
(2,300)	1:66:D:VAL:N	1:66:E:VAL:N	4	0.68
(2,300)	1:66:C:VAL:N	1:66:D:VAL:N	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,300)	1:66:A:VAL:N	1:66:B:VAL:N	8	0.68
(2,300)	1:66:C:VAL:N	1:66:D:VAL:N	9	0.68
(2,299)	1:66:A:VAL:CA	1:66:B:VAL:CA	1	0.68
(2,299)	1:66:D:VAL:CA	1:66:E:VAL:CA	4	0.68
(2,299)	1:66:D:VAL:CA	1:66:E:VAL:CA	6	0.68
(2,299)	1:66:C:VAL:CA	1:66:D:VAL:CA	8	0.68
(2,299)	1:66:C:VAL:CA	1:66:D:VAL:CA	9	0.68
(2,298)	1:66:D:VAL:C	1:66:E:VAL:C	1	0.68
(2,298)	1:66:B:VAL:C	1:66:C:VAL:C	2	0.68
(2,298)	1:66:D:VAL:C	1:66:E:VAL:C	4	0.68
(2,298)	1:66:A:VAL:C	1:66:B:VAL:C	6	0.68
(2,298)	1:66:C:VAL:C	1:66:D:VAL:C	8	0.68
(2,298)	1:66:A:VAL:C	1:66:B:VAL:C	9	0.68
(2,297)	1:66:A:VAL:N	1:66:B:VAL:N	1	0.68
(2,297)	1:66:D:VAL:N	1:66:E:VAL:N	4	0.68
(2,297)	1:66:C:VAL:N	1:66:D:VAL:N	6	0.68
(2,297)	1:66:A:VAL:N	1:66:B:VAL:N	8	0.68
(2,297)	1:66:C:VAL:N	1:66:D:VAL:N	9	0.68
(2,296)	1:66:A:VAL:CA	1:66:B:VAL:CA	1	0.68
(2,296)	1:66:D:VAL:CA	1:66:E:VAL:CA	4	0.68
(2,296)	1:66:D:VAL:CA	1:66:E:VAL:CA	6	0.68
(2,296)	1:66:C:VAL:CA	1:66:D:VAL:CA	8	0.68
(2,296)	1:66:C:VAL:CA	1:66:D:VAL:CA	9	0.68
(2,295)	1:66:D:VAL:C	1:66:E:VAL:C	1	0.68
(2,295)	1:66:B:VAL:C	1:66:C:VAL:C	2	0.68
(2,295)	1:66:D:VAL:C	1:66:E:VAL:C	4	0.68
(2,295)	1:66:A:VAL:C	1:66:B:VAL:C	6	0.68
(2,295)	1:66:C:VAL:C	1:66:D:VAL:C	8	0.68
(2,295)	1:66:A:VAL:C	1:66:B:VAL:C	9	0.68
(2,294)	1:66:A:VAL:N	1:66:B:VAL:N	1	0.68
(2,294)	1:66:D:VAL:N	1:66:E:VAL:N	4	0.68
(2,294)	1:66:C:VAL:N	1:66:D:VAL:N	6	0.68
(2,294)	1:66:A:VAL:N	1:66:B:VAL:N	8	0.68
(2,294)	1:66:C:VAL:N	1:66:D:VAL:N	9	0.68
(2,293)	1:66:A:VAL:CA	1:66:B:VAL:CA	1	0.68
(2,293)	1:66:D:VAL:CA	1:66:E:VAL:CA	4	0.68
(2,293)	1:66:D:VAL:CA	1:66:E:VAL:CA	6	0.68
(2,293)	1:66:C:VAL:CA	1:66:D:VAL:CA	8	0.68
(2,293)	1:66:C:VAL:CA	1:66:D:VAL:CA	9	0.68
(2,292)	1:66:D:VAL:C	1:66:E:VAL:C	1	0.68
(2,292)	1:66:B:VAL:C	1:66:C:VAL:C	2	0.68
(2,292)	1:66:D:VAL:C	1:66:E:VAL:C	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,292)	1:66:A:VAL:C	1:66:B:VAL:C	6	0.68
(2,292)	1:66:C:VAL:C	1:66:D:VAL:C	8	0.68
(2,292)	1:66:A:VAL:C	1:66:B:VAL:C	9	0.68
(2,291)	1:66:A:VAL:N	1:66:B:VAL:N	1	0.68
(2,291)	1:66:D:VAL:N	1:66:E:VAL:N	4	0.68
(2,291)	1:66:C:VAL:N	1:66:D:VAL:N	6	0.68
(2,291)	1:66:A:VAL:N	1:66:B:VAL:N	8	0.68
(2,291)	1:66:C:VAL:N	1:66:D:VAL:N	9	0.68
(2,290)	1:66:A:VAL:CA	1:66:B:VAL:CA	1	0.68
(2,290)	1:66:D:VAL:CA	1:66:E:VAL:CA	4	0.68
(2,290)	1:66:D:VAL:CA	1:66:E:VAL:CA	6	0.68
(2,290)	1:66:C:VAL:CA	1:66:D:VAL:CA	8	0.68
(2,290)	1:66:C:VAL:CA	1:66:D:VAL:CA	9	0.68
(2,289)	1:66:D:VAL:C	1:66:E:VAL:C	1	0.68
(2,289)	1:66:B:VAL:C	1:66:C:VAL:C	2	0.68
(2,289)	1:66:D:VAL:C	1:66:E:VAL:C	4	0.68
(2,289)	1:66:A:VAL:C	1:66:B:VAL:C	6	0.68
(2,289)	1:66:C:VAL:C	1:66:D:VAL:C	8	0.68
(2,289)	1:66:A:VAL:C	1:66:B:VAL:C	9	0.68
(2,288)	1:65:B:ASN:N	1:65:C:ASN:N	1	0.68
(2,288)	1:65:B:ASN:N	1:65:C:ASN:N	2	0.68
(2,288)	1:65:C:ASN:N	1:65:D:ASN:N	3	0.68
(2,288)	1:65:D:ASN:N	1:65:E:ASN:N	4	0.68
(2,288)	1:65:A:ASN:N	1:65:B:ASN:N	6	0.68
(2,288)	1:65:C:ASN:N	1:65:D:ASN:N	8	0.68
(2,288)	1:65:C:ASN:N	1:65:D:ASN:N	9	0.68
(2,287)	1:65:D:ASN:CA	1:65:E:ASN:CA	1	0.68
(2,287)	1:65:B:ASN:CA	1:65:C:ASN:CA	4	0.68
(2,287)	1:65:C:ASN:CA	1:65:D:ASN:CA	6	0.68
(2,287)	1:65:C:ASN:CA	1:65:D:ASN:CA	9	0.68
(2,286)	1:65:B:ASN:C	1:65:C:ASN:C	1	0.68
(2,286)	1:65:C:ASN:C	1:65:D:ASN:C	2	0.68
(2,286)	1:65:C:ASN:C	1:65:D:ASN:C	4	0.68
(2,286)	1:65:A:ASN:C	1:65:B:ASN:C	6	0.68
(2,286)	1:65:D:ASN:C	1:65:E:ASN:C	8	0.68
(2,286)	1:65:C:ASN:C	1:65:D:ASN:C	9	0.68
(2,285)	1:65:B:ASN:N	1:65:C:ASN:N	1	0.68
(2,285)	1:65:B:ASN:N	1:65:C:ASN:N	2	0.68
(2,285)	1:65:C:ASN:N	1:65:D:ASN:N	3	0.68
(2,285)	1:65:D:ASN:N	1:65:E:ASN:N	4	0.68
(2,285)	1:65:A:ASN:N	1:65:B:ASN:N	6	0.68
(2,285)	1:65:C:ASN:N	1:65:D:ASN:N	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,285)	1:65:C:ASN:N	1:65:D:ASN:N	9	0.68
(2,284)	1:65:D:ASN:CA	1:65:E:ASN:CA	1	0.68
(2,284)	1:65:B:ASN:CA	1:65:C:ASN:CA	4	0.68
(2,284)	1:65:C:ASN:CA	1:65:D:ASN:CA	6	0.68
(2,284)	1:65:C:ASN:CA	1:65:D:ASN:CA	9	0.68
(2,283)	1:65:B:ASN:C	1:65:C:ASN:C	1	0.68
(2,283)	1:65:C:ASN:C	1:65:D:ASN:C	2	0.68
(2,283)	1:65:C:ASN:C	1:65:D:ASN:C	4	0.68
(2,283)	1:65:A:ASN:C	1:65:B:ASN:C	6	0.68
(2,283)	1:65:D:ASN:C	1:65:E:ASN:C	8	0.68
(2,283)	1:65:C:ASN:C	1:65:D:ASN:C	9	0.68
(2,282)	1:65:B:ASN:N	1:65:C:ASN:N	1	0.68
(2,282)	1:65:B:ASN:N	1:65:C:ASN:N	2	0.68
(2,282)	1:65:C:ASN:N	1:65:D:ASN:N	3	0.68
(2,282)	1:65:D:ASN:N	1:65:E:ASN:N	4	0.68
(2,282)	1:65:A:ASN:N	1:65:B:ASN:N	6	0.68
(2,282)	1:65:C:ASN:N	1:65:D:ASN:N	8	0.68
(2,282)	1:65:C:ASN:N	1:65:D:ASN:N	9	0.68
(2,281)	1:65:D:ASN:CA	1:65:E:ASN:CA	1	0.68
(2,281)	1:65:B:ASN:CA	1:65:C:ASN:CA	4	0.68
(2,281)	1:65:C:ASN:CA	1:65:D:ASN:CA	6	0.68
(2,281)	1:65:C:ASN:CA	1:65:D:ASN:CA	9	0.68
(2,280)	1:65:B:ASN:C	1:65:C:ASN:C	1	0.68
(2,280)	1:65:C:ASN:C	1:65:D:ASN:C	2	0.68
(2,280)	1:65:C:ASN:C	1:65:D:ASN:C	4	0.68
(2,280)	1:65:A:ASN:C	1:65:B:ASN:C	6	0.68
(2,280)	1:65:D:ASN:C	1:65:E:ASN:C	8	0.68
(2,280)	1:65:C:ASN:C	1:65:D:ASN:C	9	0.68
(2,279)	1:65:B:ASN:N	1:65:C:ASN:N	1	0.68
(2,279)	1:65:B:ASN:N	1:65:C:ASN:N	2	0.68
(2,279)	1:65:C:ASN:N	1:65:D:ASN:N	3	0.68
(2,279)	1:65:D:ASN:N	1:65:E:ASN:N	4	0.68
(2,279)	1:65:A:ASN:N	1:65:B:ASN:N	6	0.68
(2,279)	1:65:C:ASN:N	1:65:D:ASN:N	8	0.68
(2,279)	1:65:C:ASN:N	1:65:D:ASN:N	9	0.68
(2,278)	1:65:D:ASN:CA	1:65:E:ASN:CA	1	0.68
(2,278)	1:65:B:ASN:CA	1:65:C:ASN:CA	4	0.68
(2,278)	1:65:C:ASN:CA	1:65:D:ASN:CA	6	0.68
(2,278)	1:65:C:ASN:CA	1:65:D:ASN:CA	9	0.68
(2,277)	1:65:B:ASN:C	1:65:C:ASN:C	1	0.68
(2,277)	1:65:C:ASN:C	1:65:D:ASN:C	2	0.68
(2,277)	1:65:C:ASN:C	1:65:D:ASN:C	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,277)	1:65:A:ASN:C	1:65:B:ASN:C	6	0.68
(2,277)	1:65:D:ASN:C	1:65:E:ASN:C	8	0.68
(2,277)	1:65:C:ASN:C	1:65:D:ASN:C	9	0.68
(2,276)	1:64:C:THR:N	1:64:D:THR:N	1	0.68
(2,276)	1:64:D:THR:N	1:64:E:THR:N	2	0.68
(2,276)	1:64:C:THR:N	1:64:D:THR:N	4	0.68
(2,276)	1:64:A:THR:N	1:64:B:THR:N	6	0.68
(2,276)	1:64:D:THR:N	1:64:E:THR:N	8	0.68
(2,276)	1:64:C:THR:N	1:64:D:THR:N	9	0.68
(2,275)	1:64:D:THR:CA	1:64:E:THR:CA	1	0.68
(2,275)	1:64:C:THR:CA	1:64:D:THR:CA	2	0.68
(2,275)	1:64:A:THR:CA	1:64:B:THR:CA	4	0.68
(2,275)	1:64:A:THR:CA	1:64:B:THR:CA	6	0.68
(2,275)	1:64:B:THR:CA	1:64:C:THR:CA	9	0.68
(2,274)	1:64:A:THR:C	1:64:B:THR:C	1	0.68
(2,274)	1:64:A:THR:C	1:64:B:THR:C	2	0.68
(2,274)	1:64:A:THR:C	1:64:B:THR:C	4	0.68
(2,274)	1:64:D:THR:C	1:64:E:THR:C	6	0.68
(2,274)	1:64:C:THR:C	1:64:D:THR:C	9	0.68
(2,273)	1:64:C:THR:N	1:64:D:THR:N	1	0.68
(2,273)	1:64:D:THR:N	1:64:E:THR:N	2	0.68
(2,273)	1:64:C:THR:N	1:64:D:THR:N	4	0.68
(2,273)	1:64:A:THR:N	1:64:B:THR:N	6	0.68
(2,273)	1:64:D:THR:N	1:64:E:THR:N	8	0.68
(2,273)	1:64:C:THR:N	1:64:D:THR:N	9	0.68
(2,272)	1:64:D:THR:CA	1:64:E:THR:CA	1	0.68
(2,272)	1:64:C:THR:CA	1:64:D:THR:CA	2	0.68
(2,272)	1:64:A:THR:CA	1:64:B:THR:CA	4	0.68
(2,272)	1:64:A:THR:CA	1:64:B:THR:CA	6	0.68
(2,272)	1:64:B:THR:CA	1:64:C:THR:CA	9	0.68
(2,271)	1:64:A:THR:C	1:64:B:THR:C	1	0.68
(2,271)	1:64:A:THR:C	1:64:B:THR:C	2	0.68
(2,271)	1:64:A:THR:C	1:64:B:THR:C	4	0.68
(2,271)	1:64:D:THR:C	1:64:E:THR:C	6	0.68
(2,271)	1:64:C:THR:C	1:64:D:THR:C	9	0.68
(2,270)	1:64:C:THR:N	1:64:D:THR:N	1	0.68
(2,270)	1:64:D:THR:N	1:64:E:THR:N	2	0.68
(2,270)	1:64:C:THR:N	1:64:D:THR:N	4	0.68
(2,270)	1:64:A:THR:N	1:64:B:THR:N	6	0.68
(2,270)	1:64:D:THR:N	1:64:E:THR:N	8	0.68
(2,270)	1:64:C:THR:N	1:64:D:THR:N	9	0.68
(2,269)	1:64:D:THR:CA	1:64:E:THR:CA	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,269)	1:64:C:THR:CA	1:64:D:THR:CA	2	0.68
(2,269)	1:64:A:THR:CA	1:64:B:THR:CA	4	0.68
(2,269)	1:64:A:THR:CA	1:64:B:THR:CA	6	0.68
(2,269)	1:64:B:THR:CA	1:64:C:THR:CA	9	0.68
(2,268)	1:64:A:THR:C	1:64:B:THR:C	1	0.68
(2,268)	1:64:A:THR:C	1:64:B:THR:C	2	0.68
(2,268)	1:64:A:THR:C	1:64:B:THR:C	4	0.68
(2,268)	1:64:D:THR:C	1:64:E:THR:C	6	0.68
(2,268)	1:64:C:THR:C	1:64:D:THR:C	9	0.68
(2,267)	1:64:C:THR:N	1:64:D:THR:N	1	0.68
(2,267)	1:64:D:THR:N	1:64:E:THR:N	2	0.68
(2,267)	1:64:C:THR:N	1:64:D:THR:N	4	0.68
(2,267)	1:64:A:THR:N	1:64:B:THR:N	6	0.68
(2,267)	1:64:D:THR:N	1:64:E:THR:N	8	0.68
(2,267)	1:64:C:THR:N	1:64:D:THR:N	9	0.68
(2,266)	1:64:D:THR:CA	1:64:E:THR:CA	1	0.68
(2,266)	1:64:C:THR:CA	1:64:D:THR:CA	2	0.68
(2,266)	1:64:A:THR:CA	1:64:B:THR:CA	4	0.68
(2,266)	1:64:A:THR:CA	1:64:B:THR:CA	6	0.68
(2,266)	1:64:B:THR:CA	1:64:C:THR:CA	9	0.68
(2,265)	1:64:A:THR:C	1:64:B:THR:C	1	0.68
(2,265)	1:64:A:THR:C	1:64:B:THR:C	2	0.68
(2,265)	1:64:A:THR:C	1:64:B:THR:C	4	0.68
(2,265)	1:64:D:THR:C	1:64:E:THR:C	6	0.68
(2,265)	1:64:C:THR:C	1:64:D:THR:C	9	0.68
(2,264)	1:63:A:VAL:N	1:63:B:VAL:N	1	0.68
(2,264)	1:63:A:VAL:N	1:63:B:VAL:N	4	0.68
(2,264)	1:63:C:VAL:N	1:63:D:VAL:N	6	0.68
(2,264)	1:63:D:VAL:N	1:63:E:VAL:N	8	0.68
(2,264)	1:63:C:VAL:N	1:63:D:VAL:N	9	0.68
(2,263)	1:63:A:VAL:CA	1:63:B:VAL:CA	1	0.68
(2,263)	1:63:D:VAL:CA	1:63:E:VAL:CA	2	0.68
(2,263)	1:63:C:VAL:CA	1:63:D:VAL:CA	3	0.68
(2,263)	1:63:B:VAL:CA	1:63:C:VAL:CA	4	0.68
(2,263)	1:63:C:VAL:CA	1:63:D:VAL:CA	6	0.68
(2,263)	1:63:C:VAL:CA	1:63:D:VAL:CA	9	0.68
(2,262)	1:63:D:VAL:C	1:63:E:VAL:C	1	0.68
(2,262)	1:63:B:VAL:C	1:63:C:VAL:C	2	0.68
(2,262)	1:63:C:VAL:C	1:63:D:VAL:C	4	0.68
(2,262)	1:63:A:VAL:C	1:63:B:VAL:C	6	0.68
(2,262)	1:63:D:VAL:C	1:63:E:VAL:C	8	0.68
(2,262)	1:63:A:VAL:C	1:63:B:VAL:C	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,261)	1:63:A:VAL:N	1:63:B:VAL:N	1	0.68
(2,261)	1:63:A:VAL:N	1:63:B:VAL:N	4	0.68
(2,261)	1:63:C:VAL:N	1:63:D:VAL:N	6	0.68
(2,261)	1:63:D:VAL:N	1:63:E:VAL:N	8	0.68
(2,261)	1:63:C:VAL:N	1:63:D:VAL:N	9	0.68
(2,260)	1:63:A:VAL:CA	1:63:B:VAL:CA	1	0.68
(2,260)	1:63:D:VAL:CA	1:63:E:VAL:CA	2	0.68
(2,260)	1:63:C:VAL:CA	1:63:D:VAL:CA	3	0.68
(2,260)	1:63:B:VAL:CA	1:63:C:VAL:CA	4	0.68
(2,260)	1:63:C:VAL:CA	1:63:D:VAL:CA	6	0.68
(2,260)	1:63:C:VAL:CA	1:63:D:VAL:CA	9	0.68
(2,259)	1:63:D:VAL:C	1:63:E:VAL:C	1	0.68
(2,259)	1:63:B:VAL:C	1:63:C:VAL:C	2	0.68
(2,259)	1:63:C:VAL:C	1:63:D:VAL:C	4	0.68
(2,259)	1:63:A:VAL:C	1:63:B:VAL:C	6	0.68
(2,259)	1:63:D:VAL:C	1:63:E:VAL:C	8	0.68
(2,259)	1:63:A:VAL:C	1:63:B:VAL:C	9	0.68
(2,258)	1:63:A:VAL:N	1:63:B:VAL:N	1	0.68
(2,258)	1:63:A:VAL:N	1:63:B:VAL:N	4	0.68
(2,258)	1:63:C:VAL:N	1:63:D:VAL:N	6	0.68
(2,258)	1:63:D:VAL:N	1:63:E:VAL:N	8	0.68
(2,258)	1:63:C:VAL:N	1:63:D:VAL:N	9	0.68
(2,257)	1:63:A:VAL:CA	1:63:B:VAL:CA	1	0.68
(2,257)	1:63:D:VAL:CA	1:63:E:VAL:CA	2	0.68
(2,257)	1:63:C:VAL:CA	1:63:D:VAL:CA	3	0.68
(2,257)	1:63:B:VAL:CA	1:63:C:VAL:CA	4	0.68
(2,257)	1:63:C:VAL:CA	1:63:D:VAL:CA	6	0.68
(2,257)	1:63:C:VAL:CA	1:63:D:VAL:CA	9	0.68
(2,256)	1:63:D:VAL:C	1:63:E:VAL:C	1	0.68
(2,256)	1:63:B:VAL:C	1:63:C:VAL:C	2	0.68
(2,256)	1:63:C:VAL:C	1:63:D:VAL:C	4	0.68
(2,256)	1:63:A:VAL:C	1:63:B:VAL:C	6	0.68
(2,256)	1:63:D:VAL:C	1:63:E:VAL:C	8	0.68
(2,256)	1:63:A:VAL:C	1:63:B:VAL:C	9	0.68
(2,255)	1:63:A:VAL:N	1:63:B:VAL:N	1	0.68
(2,255)	1:63:A:VAL:N	1:63:B:VAL:N	4	0.68
(2,255)	1:63:C:VAL:N	1:63:D:VAL:N	6	0.68
(2,255)	1:63:D:VAL:N	1:63:E:VAL:N	8	0.68
(2,255)	1:63:C:VAL:N	1:63:D:VAL:N	9	0.68
(2,254)	1:63:A:VAL:CA	1:63:B:VAL:CA	1	0.68
(2,254)	1:63:D:VAL:CA	1:63:E:VAL:CA	2	0.68
(2,254)	1:63:C:VAL:CA	1:63:D:VAL:CA	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,254)	1:63:B:VAL:CA	1:63:C:VAL:CA	4	0.68
(2,254)	1:63:C:VAL:CA	1:63:D:VAL:CA	6	0.68
(2,254)	1:63:C:VAL:CA	1:63:D:VAL:CA	9	0.68
(2,253)	1:63:D:VAL:C	1:63:E:VAL:C	1	0.68
(2,253)	1:63:B:VAL:C	1:63:C:VAL:C	2	0.68
(2,253)	1:63:C:VAL:C	1:63:D:VAL:C	4	0.68
(2,253)	1:63:A:VAL:C	1:63:B:VAL:C	6	0.68
(2,253)	1:63:D:VAL:C	1:63:E:VAL:C	8	0.68
(2,253)	1:63:A:VAL:C	1:63:B:VAL:C	9	0.68
(2,252)	1:62:D:GLN:N	1:62:E:GLN:N	1	0.68
(2,252)	1:62:D:GLN:N	1:62:E:GLN:N	2	0.68
(2,252)	1:62:C:GLN:N	1:62:D:GLN:N	4	0.68
(2,252)	1:62:C:GLN:N	1:62:D:GLN:N	6	0.68
(2,252)	1:62:C:GLN:N	1:62:D:GLN:N	8	0.68
(2,252)	1:62:C:GLN:N	1:62:D:GLN:N	9	0.68
(2,251)	1:62:A:GLN:CA	1:62:B:GLN:CA	1	0.68
(2,251)	1:62:B:GLN:CA	1:62:C:GLN:CA	2	0.68
(2,251)	1:62:D:GLN:CA	1:62:E:GLN:CA	4	0.68
(2,251)	1:62:A:GLN:CA	1:62:B:GLN:CA	6	0.68
(2,251)	1:62:C:GLN:CA	1:62:D:GLN:CA	8	0.68
(2,251)	1:62:D:GLN:CA	1:62:E:GLN:CA	9	0.68
(2,250)	1:62:C:GLN:C	1:62:D:GLN:C	1	0.68
(2,250)	1:62:C:GLN:C	1:62:D:GLN:C	2	0.68
(2,250)	1:62:A:GLN:C	1:62:B:GLN:C	4	0.68
(2,250)	1:62:C:GLN:C	1:62:D:GLN:C	6	0.68
(2,250)	1:62:A:GLN:C	1:62:B:GLN:C	8	0.68
(2,250)	1:62:C:GLN:C	1:62:D:GLN:C	9	0.68
(2,249)	1:62:D:GLN:N	1:62:E:GLN:N	1	0.68
(2,249)	1:62:D:GLN:N	1:62:E:GLN:N	2	0.68
(2,249)	1:62:C:GLN:N	1:62:D:GLN:N	4	0.68
(2,249)	1:62:C:GLN:N	1:62:D:GLN:N	6	0.68
(2,249)	1:62:C:GLN:N	1:62:D:GLN:N	8	0.68
(2,249)	1:62:C:GLN:N	1:62:D:GLN:N	9	0.68
(2,248)	1:62:A:GLN:CA	1:62:B:GLN:CA	1	0.68
(2,248)	1:62:B:GLN:CA	1:62:C:GLN:CA	2	0.68
(2,248)	1:62:D:GLN:CA	1:62:E:GLN:CA	4	0.68
(2,248)	1:62:A:GLN:CA	1:62:B:GLN:CA	6	0.68
(2,248)	1:62:C:GLN:CA	1:62:D:GLN:CA	8	0.68
(2,248)	1:62:D:GLN:CA	1:62:E:GLN:CA	9	0.68
(2,247)	1:62:C:GLN:C	1:62:D:GLN:C	1	0.68
(2,247)	1:62:C:GLN:C	1:62:D:GLN:C	2	0.68
(2,247)	1:62:A:GLN:C	1:62:B:GLN:C	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,247)	1:62:C:GLN:C	1:62:D:GLN:C	6	0.68
(2,247)	1:62:A:GLN:C	1:62:B:GLN:C	8	0.68
(2,247)	1:62:C:GLN:C	1:62:D:GLN:C	9	0.68
(2,246)	1:62:D:GLN:N	1:62:E:GLN:N	1	0.68
(2,246)	1:62:D:GLN:N	1:62:E:GLN:N	2	0.68
(2,246)	1:62:C:GLN:N	1:62:D:GLN:N	4	0.68
(2,246)	1:62:C:GLN:N	1:62:D:GLN:N	6	0.68
(2,246)	1:62:C:GLN:N	1:62:D:GLN:N	8	0.68
(2,246)	1:62:C:GLN:N	1:62:D:GLN:N	9	0.68
(2,245)	1:62:A:GLN:CA	1:62:B:GLN:CA	1	0.68
(2,245)	1:62:B:GLN:CA	1:62:C:GLN:CA	2	0.68
(2,245)	1:62:D:GLN:CA	1:62:E:GLN:CA	4	0.68
(2,245)	1:62:A:GLN:CA	1:62:B:GLN:CA	6	0.68
(2,245)	1:62:C:GLN:CA	1:62:D:GLN:CA	8	0.68
(2,245)	1:62:D:GLN:CA	1:62:E:GLN:CA	9	0.68
(2,244)	1:62:C:GLN:C	1:62:D:GLN:C	1	0.68
(2,244)	1:62:C:GLN:C	1:62:D:GLN:C	2	0.68
(2,244)	1:62:A:GLN:C	1:62:B:GLN:C	4	0.68
(2,244)	1:62:C:GLN:C	1:62:D:GLN:C	6	0.68
(2,244)	1:62:A:GLN:C	1:62:B:GLN:C	8	0.68
(2,244)	1:62:C:GLN:C	1:62:D:GLN:C	9	0.68
(2,243)	1:62:D:GLN:N	1:62:E:GLN:N	1	0.68
(2,243)	1:62:D:GLN:N	1:62:E:GLN:N	2	0.68
(2,243)	1:62:C:GLN:N	1:62:D:GLN:N	4	0.68
(2,243)	1:62:C:GLN:N	1:62:D:GLN:N	6	0.68
(2,243)	1:62:C:GLN:N	1:62:D:GLN:N	8	0.68
(2,243)	1:62:C:GLN:N	1:62:D:GLN:N	9	0.68
(2,242)	1:62:A:GLN:CA	1:62:B:GLN:CA	1	0.68
(2,242)	1:62:B:GLN:CA	1:62:C:GLN:CA	2	0.68
(2,242)	1:62:D:GLN:CA	1:62:E:GLN:CA	4	0.68
(2,242)	1:62:A:GLN:CA	1:62:B:GLN:CA	6	0.68
(2,242)	1:62:C:GLN:CA	1:62:D:GLN:CA	8	0.68
(2,242)	1:62:D:GLN:CA	1:62:E:GLN:CA	9	0.68
(2,241)	1:62:C:GLN:C	1:62:D:GLN:C	1	0.68
(2,241)	1:62:C:GLN:C	1:62:D:GLN:C	2	0.68
(2,241)	1:62:A:GLN:C	1:62:B:GLN:C	4	0.68
(2,241)	1:62:C:GLN:C	1:62:D:GLN:C	6	0.68
(2,241)	1:62:A:GLN:C	1:62:B:GLN:C	8	0.68
(2,241)	1:62:C:GLN:C	1:62:D:GLN:C	9	0.68
(2,240)	1:61:D:GLU:N	1:61:E:GLU:N	1	0.68
(2,240)	1:61:A:GLU:N	1:61:B:GLU:N	2	0.68
(2,240)	1:61:D:GLU:N	1:61:E:GLU:N	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:61:C:GLU:N	1:61:D:GLU:N	4	0.68
(2,240)	1:61:C:GLU:N	1:61:D:GLU:N	6	0.68
(2,240)	1:61:A:GLU:N	1:61:B:GLU:N	8	0.68
(2,240)	1:61:A:GLU:N	1:61:B:GLU:N	9	0.68
(2,239)	1:61:A:GLU:CA	1:61:B:GLU:CA	1	0.68
(2,239)	1:61:D:GLU:CA	1:61:E:GLU:CA	4	0.68
(2,239)	1:61:D:GLU:CA	1:61:E:GLU:CA	6	0.68
(2,239)	1:61:D:GLU:CA	1:61:E:GLU:CA	8	0.68
(2,239)	1:61:C:GLU:CA	1:61:D:GLU:CA	9	0.68
(2,238)	1:61:D:GLU:C	1:61:E:GLU:C	1	0.68
(2,238)	1:61:B:GLU:C	1:61:C:GLU:C	2	0.68
(2,238)	1:61:C:GLU:C	1:61:D:GLU:C	3	0.68
(2,238)	1:61:C:GLU:C	1:61:D:GLU:C	4	0.68
(2,238)	1:61:A:GLU:C	1:61:B:GLU:C	6	0.68
(2,238)	1:61:B:GLU:C	1:61:C:GLU:C	9	0.68
(2,237)	1:61:D:GLU:N	1:61:E:GLU:N	1	0.68
(2,237)	1:61:A:GLU:N	1:61:B:GLU:N	2	0.68
(2,237)	1:61:D:GLU:N	1:61:E:GLU:N	3	0.68
(2,237)	1:61:C:GLU:N	1:61:D:GLU:N	4	0.68
(2,237)	1:61:C:GLU:N	1:61:D:GLU:N	6	0.68
(2,237)	1:61:A:GLU:N	1:61:B:GLU:N	8	0.68
(2,237)	1:61:A:GLU:N	1:61:B:GLU:N	9	0.68
(2,236)	1:61:A:GLU:CA	1:61:B:GLU:CA	1	0.68
(2,236)	1:61:D:GLU:CA	1:61:E:GLU:CA	4	0.68
(2,236)	1:61:D:GLU:CA	1:61:E:GLU:CA	6	0.68
(2,236)	1:61:D:GLU:CA	1:61:E:GLU:CA	8	0.68
(2,236)	1:61:C:GLU:CA	1:61:D:GLU:CA	9	0.68
(2,235)	1:61:D:GLU:C	1:61:E:GLU:C	1	0.68
(2,235)	1:61:B:GLU:C	1:61:C:GLU:C	2	0.68
(2,235)	1:61:C:GLU:C	1:61:D:GLU:C	3	0.68
(2,235)	1:61:C:GLU:C	1:61:D:GLU:C	4	0.68
(2,235)	1:61:A:GLU:C	1:61:B:GLU:C	6	0.68
(2,235)	1:61:B:GLU:C	1:61:C:GLU:C	9	0.68
(2,234)	1:61:D:GLU:N	1:61:E:GLU:N	1	0.68
(2,234)	1:61:A:GLU:N	1:61:B:GLU:N	2	0.68
(2,234)	1:61:D:GLU:N	1:61:E:GLU:N	3	0.68
(2,234)	1:61:C:GLU:N	1:61:D:GLU:N	4	0.68
(2,234)	1:61:C:GLU:N	1:61:D:GLU:N	6	0.68
(2,234)	1:61:A:GLU:N	1:61:B:GLU:N	8	0.68
(2,234)	1:61:A:GLU:N	1:61:B:GLU:N	9	0.68
(2,233)	1:61:A:GLU:CA	1:61:B:GLU:CA	1	0.68
(2,233)	1:61:D:GLU:CA	1:61:E:GLU:CA	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,233)	1:61:D:GLU:CA	1:61:E:GLU:CA	6	0.68
(2,233)	1:61:D:GLU:CA	1:61:E:GLU:CA	8	0.68
(2,233)	1:61:C:GLU:CA	1:61:D:GLU:CA	9	0.68
(2,232)	1:61:D:GLU:C	1:61:E:GLU:C	1	0.68
(2,232)	1:61:B:GLU:C	1:61:C:GLU:C	2	0.68
(2,232)	1:61:C:GLU:C	1:61:D:GLU:C	3	0.68
(2,232)	1:61:C:GLU:C	1:61:D:GLU:C	4	0.68
(2,232)	1:61:A:GLU:C	1:61:B:GLU:C	6	0.68
(2,232)	1:61:B:GLU:C	1:61:C:GLU:C	9	0.68
(2,231)	1:61:D:GLU:N	1:61:E:GLU:N	1	0.68
(2,231)	1:61:A:GLU:N	1:61:B:GLU:N	2	0.68
(2,231)	1:61:D:GLU:N	1:61:E:GLU:N	3	0.68
(2,231)	1:61:C:GLU:N	1:61:D:GLU:N	4	0.68
(2,231)	1:61:C:GLU:N	1:61:D:GLU:N	6	0.68
(2,231)	1:61:A:GLU:N	1:61:B:GLU:N	8	0.68
(2,231)	1:61:A:GLU:N	1:61:B:GLU:N	9	0.68
(2,230)	1:61:A:GLU:CA	1:61:B:GLU:CA	1	0.68
(2,230)	1:61:D:GLU:CA	1:61:E:GLU:CA	4	0.68
(2,230)	1:61:D:GLU:CA	1:61:E:GLU:CA	6	0.68
(2,230)	1:61:D:GLU:CA	1:61:E:GLU:CA	8	0.68
(2,230)	1:61:C:GLU:CA	1:61:D:GLU:CA	9	0.68
(2,229)	1:61:D:GLU:C	1:61:E:GLU:C	1	0.68
(2,229)	1:61:B:GLU:C	1:61:C:GLU:C	2	0.68
(2,229)	1:61:C:GLU:C	1:61:D:GLU:C	3	0.68
(2,229)	1:61:C:GLU:C	1:61:D:GLU:C	4	0.68
(2,229)	1:61:A:GLU:C	1:61:B:GLU:C	6	0.68
(2,229)	1:61:B:GLU:C	1:61:C:GLU:C	9	0.68
(2,228)	1:60:D:LYS:N	1:60:E:LYS:N	1	0.68
(2,228)	1:60:D:LYS:N	1:60:E:LYS:N	4	0.68
(2,228)	1:60:D:LYS:N	1:60:E:LYS:N	6	0.68
(2,228)	1:60:D:LYS:N	1:60:E:LYS:N	8	0.68
(2,228)	1:60:B:LYS:N	1:60:C:LYS:N	9	0.68
(2,227)	1:60:B:LYS:CA	1:60:C:LYS:CA	1	0.68
(2,227)	1:60:A:LYS:CA	1:60:B:LYS:CA	2	0.68
(2,227)	1:60:A:LYS:CA	1:60:B:LYS:CA	4	0.68
(2,227)	1:60:D:LYS:CA	1:60:E:LYS:CA	6	0.68
(2,227)	1:60:C:LYS:CA	1:60:D:LYS:CA	9	0.68
(2,226)	1:60:C:LYS:C	1:60:D:LYS:C	1	0.68
(2,226)	1:60:A:LYS:C	1:60:B:LYS:C	4	0.68
(2,226)	1:60:A:LYS:C	1:60:B:LYS:C	6	0.68
(2,226)	1:60:C:LYS:C	1:60:D:LYS:C	8	0.68
(2,226)	1:60:C:LYS:C	1:60:D:LYS:C	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,225)	1:60:D:LYS:N	1:60:E:LYS:N	1	0.68
(2,225)	1:60:D:LYS:N	1:60:E:LYS:N	4	0.68
(2,225)	1:60:D:LYS:N	1:60:E:LYS:N	6	0.68
(2,225)	1:60:D:LYS:N	1:60:E:LYS:N	8	0.68
(2,225)	1:60:B:LYS:N	1:60:C:LYS:N	9	0.68
(2,224)	1:60:B:LYS:CA	1:60:C:LYS:CA	1	0.68
(2,224)	1:60:A:LYS:CA	1:60:B:LYS:CA	2	0.68
(2,224)	1:60:A:LYS:CA	1:60:B:LYS:CA	4	0.68
(2,224)	1:60:D:LYS:CA	1:60:E:LYS:CA	6	0.68
(2,224)	1:60:C:LYS:CA	1:60:D:LYS:CA	9	0.68
(2,223)	1:60:C:LYS:C	1:60:D:LYS:C	1	0.68
(2,223)	1:60:A:LYS:C	1:60:B:LYS:C	4	0.68
(2,223)	1:60:A:LYS:C	1:60:B:LYS:C	6	0.68
(2,223)	1:60:C:LYS:C	1:60:D:LYS:C	8	0.68
(2,223)	1:60:C:LYS:C	1:60:D:LYS:C	9	0.68
(2,222)	1:60:D:LYS:N	1:60:E:LYS:N	1	0.68
(2,222)	1:60:D:LYS:N	1:60:E:LYS:N	4	0.68
(2,222)	1:60:D:LYS:N	1:60:E:LYS:N	6	0.68
(2,222)	1:60:D:LYS:N	1:60:E:LYS:N	8	0.68
(2,222)	1:60:B:LYS:N	1:60:C:LYS:N	9	0.68
(2,221)	1:60:B:LYS:CA	1:60:C:LYS:CA	1	0.68
(2,221)	1:60:A:LYS:CA	1:60:B:LYS:CA	2	0.68
(2,221)	1:60:A:LYS:CA	1:60:B:LYS:CA	4	0.68
(2,221)	1:60:D:LYS:CA	1:60:E:LYS:CA	6	0.68
(2,221)	1:60:C:LYS:CA	1:60:D:LYS:CA	9	0.68
(2,220)	1:60:C:LYS:C	1:60:D:LYS:C	1	0.68
(2,220)	1:60:A:LYS:C	1:60:B:LYS:C	4	0.68
(2,220)	1:60:A:LYS:C	1:60:B:LYS:C	6	0.68
(2,220)	1:60:C:LYS:C	1:60:D:LYS:C	8	0.68
(2,220)	1:60:C:LYS:C	1:60:D:LYS:C	9	0.68
(2,219)	1:60:D:LYS:N	1:60:E:LYS:N	1	0.68
(2,219)	1:60:D:LYS:N	1:60:E:LYS:N	4	0.68
(2,219)	1:60:D:LYS:N	1:60:E:LYS:N	6	0.68
(2,219)	1:60:D:LYS:N	1:60:E:LYS:N	8	0.68
(2,219)	1:60:B:LYS:N	1:60:C:LYS:N	9	0.68
(2,218)	1:60:B:LYS:CA	1:60:C:LYS:CA	1	0.68
(2,218)	1:60:A:LYS:CA	1:60:B:LYS:CA	2	0.68
(2,218)	1:60:A:LYS:CA	1:60:B:LYS:CA	4	0.68
(2,218)	1:60:D:LYS:CA	1:60:E:LYS:CA	6	0.68
(2,218)	1:60:C:LYS:CA	1:60:D:LYS:CA	9	0.68
(2,217)	1:60:C:LYS:C	1:60:D:LYS:C	1	0.68
(2,217)	1:60:A:LYS:C	1:60:B:LYS:C	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,217)	1:60:A:LYS:C	1:60:B:LYS:C	6	0.68
(2,217)	1:60:C:LYS:C	1:60:D:LYS:C	8	0.68
(2,217)	1:60:C:LYS:C	1:60:D:LYS:C	9	0.68
(2,216)	1:59:B:THR:N	1:59:C:THR:N	1	0.68
(2,216)	1:59:C:THR:N	1:59:D:THR:N	2	0.68
(2,216)	1:59:A:THR:N	1:59:B:THR:N	4	0.68
(2,216)	1:59:A:THR:N	1:59:B:THR:N	6	0.68
(2,216)	1:59:C:THR:N	1:59:D:THR:N	9	0.68
(2,215)	1:59:A:THR:CA	1:59:B:THR:CA	1	0.68
(2,215)	1:59:A:THR:CA	1:59:B:THR:CA	3	0.68
(2,215)	1:59:C:THR:CA	1:59:D:THR:CA	4	0.68
(2,215)	1:59:A:THR:CA	1:59:B:THR:CA	6	0.68
(2,215)	1:59:C:THR:CA	1:59:D:THR:CA	8	0.68
(2,215)	1:59:C:THR:CA	1:59:D:THR:CA	9	0.68
(2,214)	1:59:D:THR:C	1:59:E:THR:C	1	0.68
(2,214)	1:59:A:THR:C	1:59:B:THR:C	4	0.68
(2,214)	1:59:A:THR:C	1:59:B:THR:C	6	0.68
(2,214)	1:59:A:THR:C	1:59:B:THR:C	8	0.68
(2,214)	1:59:C:THR:C	1:59:D:THR:C	9	0.68
(2,213)	1:59:B:THR:N	1:59:C:THR:N	1	0.68
(2,213)	1:59:C:THR:N	1:59:D:THR:N	2	0.68
(2,213)	1:59:A:THR:N	1:59:B:THR:N	4	0.68
(2,213)	1:59:A:THR:N	1:59:B:THR:N	6	0.68
(2,213)	1:59:C:THR:N	1:59:D:THR:N	9	0.68
(2,212)	1:59:A:THR:CA	1:59:B:THR:CA	1	0.68
(2,212)	1:59:A:THR:CA	1:59:B:THR:CA	3	0.68
(2,212)	1:59:C:THR:CA	1:59:D:THR:CA	4	0.68
(2,212)	1:59:A:THR:CA	1:59:B:THR:CA	6	0.68
(2,212)	1:59:C:THR:CA	1:59:D:THR:CA	8	0.68
(2,212)	1:59:C:THR:CA	1:59:D:THR:CA	9	0.68
(2,211)	1:59:D:THR:C	1:59:E:THR:C	1	0.68
(2,211)	1:59:A:THR:C	1:59:B:THR:C	4	0.68
(2,211)	1:59:A:THR:C	1:59:B:THR:C	6	0.68
(2,211)	1:59:A:THR:C	1:59:B:THR:C	8	0.68
(2,211)	1:59:C:THR:C	1:59:D:THR:C	9	0.68
(2,210)	1:59:B:THR:N	1:59:C:THR:N	1	0.68
(2,210)	1:59:C:THR:N	1:59:D:THR:N	2	0.68
(2,210)	1:59:A:THR:N	1:59:B:THR:N	4	0.68
(2,210)	1:59:A:THR:N	1:59:B:THR:N	6	0.68
(2,210)	1:59:C:THR:N	1:59:D:THR:N	9	0.68
(2,209)	1:59:A:THR:CA	1:59:B:THR:CA	1	0.68
(2,209)	1:59:A:THR:CA	1:59:B:THR:CA	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,209)	1:59:C:THR:CA	1:59:D:THR:CA	4	0.68
(2,209)	1:59:A:THR:CA	1:59:B:THR:CA	6	0.68
(2,209)	1:59:C:THR:CA	1:59:D:THR:CA	8	0.68
(2,209)	1:59:C:THR:CA	1:59:D:THR:CA	9	0.68
(2,208)	1:59:D:THR:C	1:59:E:THR:C	1	0.68
(2,208)	1:59:A:THR:C	1:59:B:THR:C	4	0.68
(2,208)	1:59:A:THR:C	1:59:B:THR:C	6	0.68
(2,208)	1:59:A:THR:C	1:59:B:THR:C	8	0.68
(2,208)	1:59:C:THR:C	1:59:D:THR:C	9	0.68
(2,207)	1:59:B:THR:N	1:59:C:THR:N	1	0.68
(2,207)	1:59:C:THR:N	1:59:D:THR:N	2	0.68
(2,207)	1:59:A:THR:N	1:59:B:THR:N	4	0.68
(2,207)	1:59:A:THR:N	1:59:B:THR:N	6	0.68
(2,207)	1:59:C:THR:N	1:59:D:THR:N	9	0.68
(2,206)	1:59:A:THR:CA	1:59:B:THR:CA	1	0.68
(2,206)	1:59:A:THR:CA	1:59:B:THR:CA	3	0.68
(2,206)	1:59:C:THR:CA	1:59:D:THR:CA	4	0.68
(2,206)	1:59:A:THR:CA	1:59:B:THR:CA	6	0.68
(2,206)	1:59:C:THR:CA	1:59:D:THR:CA	8	0.68
(2,206)	1:59:C:THR:CA	1:59:D:THR:CA	9	0.68
(2,205)	1:59:D:THR:C	1:59:E:THR:C	1	0.68
(2,205)	1:59:A:THR:C	1:59:B:THR:C	4	0.68
(2,205)	1:59:A:THR:C	1:59:B:THR:C	6	0.68
(2,205)	1:59:A:THR:C	1:59:B:THR:C	8	0.68
(2,205)	1:59:C:THR:C	1:59:D:THR:C	9	0.68
(2,204)	1:58:D:LYS:N	1:58:E:LYS:N	1	0.68
(2,204)	1:58:A:LYS:N	1:58:B:LYS:N	4	0.68
(2,204)	1:58:A:LYS:N	1:58:B:LYS:N	6	0.68
(2,204)	1:58:D:LYS:N	1:58:E:LYS:N	8	0.68
(2,204)	1:58:C:LYS:N	1:58:D:LYS:N	9	0.68
(2,203)	1:58:C:LYS:CA	1:58:D:LYS:CA	1	0.68
(2,203)	1:58:B:LYS:CA	1:58:C:LYS:CA	4	0.68
(2,203)	1:58:A:LYS:CA	1:58:B:LYS:CA	6	0.68
(2,203)	1:58:A:LYS:CA	1:58:B:LYS:CA	8	0.68
(2,203)	1:58:C:LYS:CA	1:58:D:LYS:CA	9	0.68
(2,202)	1:58:D:LYS:C	1:58:E:LYS:C	1	0.68
(2,202)	1:58:D:LYS:C	1:58:E:LYS:C	2	0.68
(2,202)	1:58:C:LYS:C	1:58:D:LYS:C	4	0.68
(2,202)	1:58:A:LYS:C	1:58:B:LYS:C	6	0.68
(2,202)	1:58:A:LYS:C	1:58:B:LYS:C	8	0.68
(2,202)	1:58:C:LYS:C	1:58:D:LYS:C	9	0.68
(2,201)	1:58:D:LYS:N	1:58:E:LYS:N	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,201)	1:58:A:LYS:N	1:58:B:LYS:N	4	0.68
(2,201)	1:58:A:LYS:N	1:58:B:LYS:N	6	0.68
(2,201)	1:58:D:LYS:N	1:58:E:LYS:N	8	0.68
(2,201)	1:58:C:LYS:N	1:58:D:LYS:N	9	0.68
(2,200)	1:58:C:LYS:CA	1:58:D:LYS:CA	1	0.68
(2,200)	1:58:B:LYS:CA	1:58:C:LYS:CA	4	0.68
(2,200)	1:58:A:LYS:CA	1:58:B:LYS:CA	6	0.68
(2,200)	1:58:A:LYS:CA	1:58:B:LYS:CA	8	0.68
(2,200)	1:58:C:LYS:CA	1:58:D:LYS:CA	9	0.68
(2,199)	1:58:D:LYS:C	1:58:E:LYS:C	1	0.68
(2,199)	1:58:D:LYS:C	1:58:E:LYS:C	2	0.68
(2,199)	1:58:C:LYS:C	1:58:D:LYS:C	4	0.68
(2,199)	1:58:A:LYS:C	1:58:B:LYS:C	6	0.68
(2,199)	1:58:A:LYS:C	1:58:B:LYS:C	8	0.68
(2,199)	1:58:C:LYS:C	1:58:D:LYS:C	9	0.68
(2,198)	1:58:D:LYS:N	1:58:E:LYS:N	1	0.68
(2,198)	1:58:A:LYS:N	1:58:B:LYS:N	4	0.68
(2,198)	1:58:A:LYS:N	1:58:B:LYS:N	6	0.68
(2,198)	1:58:D:LYS:N	1:58:E:LYS:N	8	0.68
(2,198)	1:58:C:LYS:N	1:58:D:LYS:N	9	0.68
(2,197)	1:58:C:LYS:CA	1:58:D:LYS:CA	1	0.68
(2,197)	1:58:B:LYS:CA	1:58:C:LYS:CA	4	0.68
(2,197)	1:58:A:LYS:CA	1:58:B:LYS:CA	6	0.68
(2,197)	1:58:A:LYS:CA	1:58:B:LYS:CA	8	0.68
(2,197)	1:58:C:LYS:CA	1:58:D:LYS:CA	9	0.68
(2,196)	1:58:D:LYS:C	1:58:E:LYS:C	1	0.68
(2,196)	1:58:D:LYS:C	1:58:E:LYS:C	2	0.68
(2,196)	1:58:C:LYS:C	1:58:D:LYS:C	4	0.68
(2,196)	1:58:A:LYS:C	1:58:B:LYS:C	6	0.68
(2,196)	1:58:A:LYS:C	1:58:B:LYS:C	8	0.68
(2,196)	1:58:C:LYS:C	1:58:D:LYS:C	9	0.68
(2,195)	1:58:D:LYS:N	1:58:E:LYS:N	1	0.68
(2,195)	1:58:A:LYS:N	1:58:B:LYS:N	4	0.68
(2,195)	1:58:A:LYS:N	1:58:B:LYS:N	6	0.68
(2,195)	1:58:D:LYS:N	1:58:E:LYS:N	8	0.68
(2,195)	1:58:C:LYS:N	1:58:D:LYS:N	9	0.68
(2,194)	1:58:C:LYS:CA	1:58:D:LYS:CA	1	0.68
(2,194)	1:58:B:LYS:CA	1:58:C:LYS:CA	4	0.68
(2,194)	1:58:A:LYS:CA	1:58:B:LYS:CA	6	0.68
(2,194)	1:58:A:LYS:CA	1:58:B:LYS:CA	8	0.68
(2,194)	1:58:C:LYS:CA	1:58:D:LYS:CA	9	0.68
(2,193)	1:58:D:LYS:C	1:58:E:LYS:C	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,193)	1:58:D:LYS:C	1:58:E:LYS:C	2	0.68
(2,193)	1:58:C:LYS:C	1:58:D:LYS:C	4	0.68
(2,193)	1:58:A:LYS:C	1:58:B:LYS:C	6	0.68
(2,193)	1:58:A:LYS:C	1:58:B:LYS:C	8	0.68
(2,193)	1:58:C:LYS:C	1:58:D:LYS:C	9	0.68
(2,192)	1:57:A:GLU:N	1:57:B:GLU:N	1	0.68
(2,192)	1:57:A:GLU:N	1:57:B:GLU:N	2	0.68
(2,192)	1:57:B:GLU:N	1:57:C:GLU:N	4	0.68
(2,192)	1:57:C:GLU:N	1:57:D:GLU:N	6	0.68
(2,192)	1:57:D:GLU:N	1:57:E:GLU:N	8	0.68
(2,192)	1:57:C:GLU:N	1:57:D:GLU:N	9	0.68
(2,191)	1:57:A:GLU:CA	1:57:B:GLU:CA	1	0.68
(2,191)	1:57:C:GLU:CA	1:57:D:GLU:CA	4	0.68
(2,191)	1:57:A:GLU:CA	1:57:B:GLU:CA	6	0.68
(2,191)	1:57:A:GLU:CA	1:57:B:GLU:CA	8	0.68
(2,191)	1:57:C:GLU:CA	1:57:D:GLU:CA	9	0.68
(2,190)	1:57:D:GLU:C	1:57:E:GLU:C	1	0.68
(2,190)	1:57:A:GLU:C	1:57:B:GLU:C	4	0.68
(2,190)	1:57:A:GLU:C	1:57:B:GLU:C	6	0.68
(2,190)	1:57:D:GLU:C	1:57:E:GLU:C	9	0.68
(2,189)	1:57:A:GLU:N	1:57:B:GLU:N	1	0.68
(2,189)	1:57:A:GLU:N	1:57:B:GLU:N	2	0.68
(2,189)	1:57:B:GLU:N	1:57:C:GLU:N	4	0.68
(2,189)	1:57:C:GLU:N	1:57:D:GLU:N	6	0.68
(2,189)	1:57:D:GLU:N	1:57:E:GLU:N	8	0.68
(2,189)	1:57:C:GLU:N	1:57:D:GLU:N	9	0.68
(2,188)	1:57:A:GLU:CA	1:57:B:GLU:CA	1	0.68
(2,188)	1:57:C:GLU:CA	1:57:D:GLU:CA	4	0.68
(2,188)	1:57:A:GLU:CA	1:57:B:GLU:CA	6	0.68
(2,188)	1:57:A:GLU:CA	1:57:B:GLU:CA	8	0.68
(2,188)	1:57:C:GLU:CA	1:57:D:GLU:CA	9	0.68
(2,187)	1:57:D:GLU:C	1:57:E:GLU:C	1	0.68
(2,187)	1:57:A:GLU:C	1:57:B:GLU:C	4	0.68
(2,187)	1:57:A:GLU:C	1:57:B:GLU:C	6	0.68
(2,187)	1:57:D:GLU:C	1:57:E:GLU:C	9	0.68
(2,186)	1:57:A:GLU:N	1:57:B:GLU:N	1	0.68
(2,186)	1:57:A:GLU:N	1:57:B:GLU:N	2	0.68
(2,186)	1:57:B:GLU:N	1:57:C:GLU:N	4	0.68
(2,186)	1:57:C:GLU:N	1:57:D:GLU:N	6	0.68
(2,186)	1:57:D:GLU:N	1:57:E:GLU:N	8	0.68
(2,186)	1:57:C:GLU:N	1:57:D:GLU:N	9	0.68
(2,185)	1:57:A:GLU:CA	1:57:B:GLU:CA	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,185)	1:57:C:GLU:CA	1:57:D:GLU:CA	4	0.68
(2,185)	1:57:A:GLU:CA	1:57:B:GLU:CA	6	0.68
(2,185)	1:57:A:GLU:CA	1:57:B:GLU:CA	8	0.68
(2,185)	1:57:C:GLU:CA	1:57:D:GLU:CA	9	0.68
(2,184)	1:57:D:GLU:C	1:57:E:GLU:C	1	0.68
(2,184)	1:57:A:GLU:C	1:57:B:GLU:C	4	0.68
(2,184)	1:57:A:GLU:C	1:57:B:GLU:C	6	0.68
(2,184)	1:57:D:GLU:C	1:57:E:GLU:C	9	0.68
(2,183)	1:57:A:GLU:N	1:57:B:GLU:N	1	0.68
(2,183)	1:57:A:GLU:N	1:57:B:GLU:N	2	0.68
(2,183)	1:57:B:GLU:N	1:57:C:GLU:N	4	0.68
(2,183)	1:57:C:GLU:N	1:57:D:GLU:N	6	0.68
(2,183)	1:57:D:GLU:N	1:57:E:GLU:N	8	0.68
(2,183)	1:57:C:GLU:N	1:57:D:GLU:N	9	0.68
(2,182)	1:57:A:GLU:CA	1:57:B:GLU:CA	1	0.68
(2,182)	1:57:C:GLU:CA	1:57:D:GLU:CA	4	0.68
(2,182)	1:57:A:GLU:CA	1:57:B:GLU:CA	6	0.68
(2,182)	1:57:A:GLU:CA	1:57:B:GLU:CA	8	0.68
(2,182)	1:57:C:GLU:CA	1:57:D:GLU:CA	9	0.68
(2,181)	1:57:D:GLU:C	1:57:E:GLU:C	1	0.68
(2,181)	1:57:A:GLU:C	1:57:B:GLU:C	4	0.68
(2,181)	1:57:A:GLU:C	1:57:B:GLU:C	6	0.68
(2,181)	1:57:D:GLU:C	1:57:E:GLU:C	9	0.68
(2,180)	1:56:A:ALA:N	1:56:B:ALA:N	1	0.68
(2,180)	1:56:B:ALA:N	1:56:C:ALA:N	4	0.68
(2,180)	1:56:A:ALA:N	1:56:B:ALA:N	6	0.68
(2,180)	1:56:C:ALA:N	1:56:D:ALA:N	9	0.68
(2,179)	1:56:B:ALA:CA	1:56:C:ALA:CA	1	0.68
(2,179)	1:56:D:ALA:CA	1:56:E:ALA:CA	4	0.68
(2,179)	1:56:A:ALA:CA	1:56:B:ALA:CA	6	0.68
(2,179)	1:56:D:ALA:CA	1:56:E:ALA:CA	8	0.68
(2,179)	1:56:C:ALA:CA	1:56:D:ALA:CA	9	0.68
(2,178)	1:56:B:ALA:C	1:56:C:ALA:C	1	0.68
(2,178)	1:56:C:ALA:C	1:56:D:ALA:C	2	0.68
(2,178)	1:56:D:ALA:C	1:56:E:ALA:C	4	0.68
(2,178)	1:56:D:ALA:C	1:56:E:ALA:C	6	0.68
(2,178)	1:56:C:ALA:C	1:56:D:ALA:C	8	0.68
(2,178)	1:56:C:ALA:C	1:56:D:ALA:C	9	0.68
(2,177)	1:56:A:ALA:N	1:56:B:ALA:N	1	0.68
(2,177)	1:56:B:ALA:N	1:56:C:ALA:N	4	0.68
(2,177)	1:56:A:ALA:N	1:56:B:ALA:N	6	0.68
(2,177)	1:56:C:ALA:N	1:56:D:ALA:N	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,176)	1:56:B:ALA:CA	1:56:C:ALA:CA	1	0.68
(2,176)	1:56:D:ALA:CA	1:56:E:ALA:CA	4	0.68
(2,176)	1:56:A:ALA:CA	1:56:B:ALA:CA	6	0.68
(2,176)	1:56:D:ALA:CA	1:56:E:ALA:CA	8	0.68
(2,176)	1:56:C:ALA:CA	1:56:D:ALA:CA	9	0.68
(2,175)	1:56:B:ALA:C	1:56:C:ALA:C	1	0.68
(2,175)	1:56:C:ALA:C	1:56:D:ALA:C	2	0.68
(2,175)	1:56:D:ALA:C	1:56:E:ALA:C	4	0.68
(2,175)	1:56:D:ALA:C	1:56:E:ALA:C	6	0.68
(2,175)	1:56:C:ALA:C	1:56:D:ALA:C	8	0.68
(2,175)	1:56:C:ALA:C	1:56:D:ALA:C	9	0.68
(2,174)	1:56:A:ALA:N	1:56:B:ALA:N	1	0.68
(2,174)	1:56:B:ALA:N	1:56:C:ALA:N	4	0.68
(2,174)	1:56:A:ALA:N	1:56:B:ALA:N	6	0.68
(2,174)	1:56:C:ALA:N	1:56:D:ALA:N	9	0.68
(2,173)	1:56:B:ALA:CA	1:56:C:ALA:CA	1	0.68
(2,173)	1:56:D:ALA:CA	1:56:E:ALA:CA	4	0.68
(2,173)	1:56:A:ALA:CA	1:56:B:ALA:CA	6	0.68
(2,173)	1:56:D:ALA:CA	1:56:E:ALA:CA	8	0.68
(2,173)	1:56:C:ALA:CA	1:56:D:ALA:CA	9	0.68
(2,172)	1:56:B:ALA:C	1:56:C:ALA:C	1	0.68
(2,172)	1:56:C:ALA:C	1:56:D:ALA:C	2	0.68
(2,172)	1:56:D:ALA:C	1:56:E:ALA:C	4	0.68
(2,172)	1:56:D:ALA:C	1:56:E:ALA:C	6	0.68
(2,172)	1:56:C:ALA:C	1:56:D:ALA:C	8	0.68
(2,172)	1:56:C:ALA:C	1:56:D:ALA:C	9	0.68
(2,171)	1:56:A:ALA:N	1:56:B:ALA:N	1	0.68
(2,171)	1:56:B:ALA:N	1:56:C:ALA:N	4	0.68
(2,171)	1:56:A:ALA:N	1:56:B:ALA:N	6	0.68
(2,171)	1:56:C:ALA:N	1:56:D:ALA:N	9	0.68
(2,170)	1:56:B:ALA:CA	1:56:C:ALA:CA	1	0.68
(2,170)	1:56:D:ALA:CA	1:56:E:ALA:CA	4	0.68
(2,170)	1:56:A:ALA:CA	1:56:B:ALA:CA	6	0.68
(2,170)	1:56:D:ALA:CA	1:56:E:ALA:CA	8	0.68
(2,170)	1:56:C:ALA:CA	1:56:D:ALA:CA	9	0.68
(2,169)	1:56:B:ALA:C	1:56:C:ALA:C	1	0.68
(2,169)	1:56:C:ALA:C	1:56:D:ALA:C	2	0.68
(2,169)	1:56:D:ALA:C	1:56:E:ALA:C	4	0.68
(2,169)	1:56:D:ALA:C	1:56:E:ALA:C	6	0.68
(2,169)	1:56:C:ALA:C	1:56:D:ALA:C	8	0.68
(2,169)	1:56:C:ALA:C	1:56:D:ALA:C	9	0.68
(2,168)	1:55:C:VAL:N	1:55:D:VAL:N	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,168)	1:55:B:VAL:N	1:55:C:VAL:N	2	0.68
(2,168)	1:55:C:VAL:N	1:55:D:VAL:N	4	0.68
(2,168)	1:55:C:VAL:N	1:55:D:VAL:N	6	0.68
(2,168)	1:55:C:VAL:N	1:55:D:VAL:N	9	0.68
(2,167)	1:55:C:VAL:CA	1:55:D:VAL:CA	1	0.68
(2,167)	1:55:A:VAL:CA	1:55:B:VAL:CA	4	0.68
(2,167)	1:55:D:VAL:CA	1:55:E:VAL:CA	6	0.68
(2,167)	1:55:D:VAL:CA	1:55:E:VAL:CA	8	0.68
(2,167)	1:55:C:VAL:CA	1:55:D:VAL:CA	9	0.68
(2,166)	1:55:D:VAL:C	1:55:E:VAL:C	1	0.68
(2,166)	1:55:A:VAL:C	1:55:B:VAL:C	2	0.68
(2,166)	1:55:A:VAL:C	1:55:B:VAL:C	4	0.68
(2,166)	1:55:D:VAL:C	1:55:E:VAL:C	6	0.68
(2,166)	1:55:A:VAL:C	1:55:B:VAL:C	8	0.68
(2,166)	1:55:C:VAL:C	1:55:D:VAL:C	9	0.68
(2,165)	1:55:C:VAL:N	1:55:D:VAL:N	1	0.68
(2,165)	1:55:B:VAL:N	1:55:C:VAL:N	2	0.68
(2,165)	1:55:C:VAL:N	1:55:D:VAL:N	4	0.68
(2,165)	1:55:C:VAL:N	1:55:D:VAL:N	6	0.68
(2,165)	1:55:C:VAL:N	1:55:D:VAL:N	9	0.68
(2,164)	1:55:C:VAL:CA	1:55:D:VAL:CA	1	0.68
(2,164)	1:55:A:VAL:CA	1:55:B:VAL:CA	4	0.68
(2,164)	1:55:D:VAL:CA	1:55:E:VAL:CA	6	0.68
(2,164)	1:55:D:VAL:CA	1:55:E:VAL:CA	8	0.68
(2,164)	1:55:C:VAL:CA	1:55:D:VAL:CA	9	0.68
(2,163)	1:55:D:VAL:C	1:55:E:VAL:C	1	0.68
(2,163)	1:55:A:VAL:C	1:55:B:VAL:C	2	0.68
(2,163)	1:55:A:VAL:C	1:55:B:VAL:C	4	0.68
(2,163)	1:55:D:VAL:C	1:55:E:VAL:C	6	0.68
(2,163)	1:55:A:VAL:C	1:55:B:VAL:C	8	0.68
(2,163)	1:55:C:VAL:C	1:55:D:VAL:C	9	0.68
(2,162)	1:55:C:VAL:N	1:55:D:VAL:N	1	0.68
(2,162)	1:55:B:VAL:N	1:55:C:VAL:N	2	0.68
(2,162)	1:55:C:VAL:N	1:55:D:VAL:N	4	0.68
(2,162)	1:55:C:VAL:N	1:55:D:VAL:N	6	0.68
(2,162)	1:55:C:VAL:N	1:55:D:VAL:N	9	0.68
(2,161)	1:55:C:VAL:CA	1:55:D:VAL:CA	1	0.68
(2,161)	1:55:A:VAL:CA	1:55:B:VAL:CA	4	0.68
(2,161)	1:55:D:VAL:CA	1:55:E:VAL:CA	6	0.68
(2,161)	1:55:D:VAL:CA	1:55:E:VAL:CA	8	0.68
(2,161)	1:55:C:VAL:CA	1:55:D:VAL:CA	9	0.68
(2,160)	1:55:D:VAL:C	1:55:E:VAL:C	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,160)	1:55:A:VAL:C	1:55:B:VAL:C	2	0.68
(2,160)	1:55:A:VAL:C	1:55:B:VAL:C	4	0.68
(2,160)	1:55:D:VAL:C	1:55:E:VAL:C	6	0.68
(2,160)	1:55:A:VAL:C	1:55:B:VAL:C	8	0.68
(2,160)	1:55:C:VAL:C	1:55:D:VAL:C	9	0.68
(2,159)	1:55:C:VAL:N	1:55:D:VAL:N	1	0.68
(2,159)	1:55:B:VAL:N	1:55:C:VAL:N	2	0.68
(2,159)	1:55:C:VAL:N	1:55:D:VAL:N	4	0.68
(2,159)	1:55:C:VAL:N	1:55:D:VAL:N	6	0.68
(2,159)	1:55:C:VAL:N	1:55:D:VAL:N	9	0.68
(2,158)	1:55:C:VAL:CA	1:55:D:VAL:CA	1	0.68
(2,158)	1:55:A:VAL:CA	1:55:B:VAL:CA	4	0.68
(2,158)	1:55:D:VAL:CA	1:55:E:VAL:CA	6	0.68
(2,158)	1:55:D:VAL:CA	1:55:E:VAL:CA	8	0.68
(2,158)	1:55:C:VAL:CA	1:55:D:VAL:CA	9	0.68
(2,157)	1:55:D:VAL:C	1:55:E:VAL:C	1	0.68
(2,157)	1:55:A:VAL:C	1:55:B:VAL:C	2	0.68
(2,157)	1:55:A:VAL:C	1:55:B:VAL:C	4	0.68
(2,157)	1:55:D:VAL:C	1:55:E:VAL:C	6	0.68
(2,157)	1:55:A:VAL:C	1:55:B:VAL:C	8	0.68
(2,157)	1:55:C:VAL:C	1:55:D:VAL:C	9	0.68
(2,156)	1:54:D:THR:N	1:54:E:THR:N	1	0.68
(2,156)	1:54:B:THR:N	1:54:C:THR:N	2	0.68
(2,156)	1:54:D:THR:N	1:54:E:THR:N	4	0.68
(2,156)	1:54:A:THR:N	1:54:B:THR:N	6	0.68
(2,156)	1:54:C:THR:N	1:54:D:THR:N	8	0.68
(2,156)	1:54:C:THR:N	1:54:D:THR:N	9	0.68
(2,155)	1:54:D:THR:CA	1:54:E:THR:CA	1	0.68
(2,155)	1:54:C:THR:CA	1:54:D:THR:CA	2	0.68
(2,155)	1:54:B:THR:CA	1:54:C:THR:CA	4	0.68
(2,155)	1:54:D:THR:CA	1:54:E:THR:CA	6	0.68
(2,155)	1:54:C:THR:CA	1:54:D:THR:CA	9	0.68
(2,154)	1:54:D:THR:C	1:54:E:THR:C	1	0.68
(2,154)	1:54:A:THR:C	1:54:B:THR:C	4	0.68
(2,154)	1:54:C:THR:C	1:54:D:THR:C	6	0.68
(2,154)	1:54:A:THR:C	1:54:B:THR:C	8	0.68
(2,154)	1:54:D:THR:C	1:54:E:THR:C	9	0.68
(2,153)	1:54:D:THR:N	1:54:E:THR:N	1	0.68
(2,153)	1:54:B:THR:N	1:54:C:THR:N	2	0.68
(2,153)	1:54:D:THR:N	1:54:E:THR:N	4	0.68
(2,153)	1:54:A:THR:N	1:54:B:THR:N	6	0.68
(2,153)	1:54:C:THR:N	1:54:D:THR:N	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,153)	1:54:C:THR:N	1:54:D:THR:N	9	0.68
(2,152)	1:54:D:THR:CA	1:54:E:THR:CA	1	0.68
(2,152)	1:54:C:THR:CA	1:54:D:THR:CA	2	0.68
(2,152)	1:54:B:THR:CA	1:54:C:THR:CA	4	0.68
(2,152)	1:54:D:THR:CA	1:54:E:THR:CA	6	0.68
(2,152)	1:54:C:THR:CA	1:54:D:THR:CA	9	0.68
(2,151)	1:54:D:THR:C	1:54:E:THR:C	1	0.68
(2,151)	1:54:A:THR:C	1:54:B:THR:C	4	0.68
(2,151)	1:54:C:THR:C	1:54:D:THR:C	6	0.68
(2,151)	1:54:A:THR:C	1:54:B:THR:C	8	0.68
(2,151)	1:54:D:THR:C	1:54:E:THR:C	9	0.68
(2,150)	1:54:D:THR:N	1:54:E:THR:N	1	0.68
(2,150)	1:54:B:THR:N	1:54:C:THR:N	2	0.68
(2,150)	1:54:D:THR:N	1:54:E:THR:N	4	0.68
(2,150)	1:54:A:THR:N	1:54:B:THR:N	6	0.68
(2,150)	1:54:C:THR:N	1:54:D:THR:N	8	0.68
(2,150)	1:54:C:THR:N	1:54:D:THR:N	9	0.68
(2,149)	1:54:D:THR:CA	1:54:E:THR:CA	1	0.68
(2,149)	1:54:C:THR:CA	1:54:D:THR:CA	2	0.68
(2,149)	1:54:B:THR:CA	1:54:C:THR:CA	4	0.68
(2,149)	1:54:D:THR:CA	1:54:E:THR:CA	6	0.68
(2,149)	1:54:C:THR:CA	1:54:D:THR:CA	9	0.68
(2,148)	1:54:D:THR:C	1:54:E:THR:C	1	0.68
(2,148)	1:54:A:THR:C	1:54:B:THR:C	4	0.68
(2,148)	1:54:C:THR:C	1:54:D:THR:C	6	0.68
(2,148)	1:54:A:THR:C	1:54:B:THR:C	8	0.68
(2,148)	1:54:D:THR:C	1:54:E:THR:C	9	0.68
(2,147)	1:54:D:THR:N	1:54:E:THR:N	1	0.68
(2,147)	1:54:B:THR:N	1:54:C:THR:N	2	0.68
(2,147)	1:54:D:THR:N	1:54:E:THR:N	4	0.68
(2,147)	1:54:A:THR:N	1:54:B:THR:N	6	0.68
(2,147)	1:54:C:THR:N	1:54:D:THR:N	8	0.68
(2,147)	1:54:C:THR:N	1:54:D:THR:N	9	0.68
(2,146)	1:54:D:THR:CA	1:54:E:THR:CA	1	0.68
(2,146)	1:54:C:THR:CA	1:54:D:THR:CA	2	0.68
(2,146)	1:54:B:THR:CA	1:54:C:THR:CA	4	0.68
(2,146)	1:54:D:THR:CA	1:54:E:THR:CA	6	0.68
(2,146)	1:54:C:THR:CA	1:54:D:THR:CA	9	0.68
(2,145)	1:54:D:THR:C	1:54:E:THR:C	1	0.68
(2,145)	1:54:A:THR:C	1:54:B:THR:C	4	0.68
(2,145)	1:54:C:THR:C	1:54:D:THR:C	6	0.68
(2,145)	1:54:A:THR:C	1:54:B:THR:C	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,145)	1:54:D:THR:C	1:54:E:THR:C	9	0.68
(2,144)	1:53:D:ALA:N	1:53:E:ALA:N	1	0.68
(2,144)	1:53:D:ALA:N	1:53:E:ALA:N	4	0.68
(2,144)	1:53:C:ALA:N	1:53:D:ALA:N	6	0.68
(2,144)	1:53:C:ALA:N	1:53:D:ALA:N	9	0.68
(2,143)	1:53:A:ALA:CA	1:53:B:ALA:CA	1	0.68
(2,143)	1:53:C:ALA:CA	1:53:D:ALA:CA	2	0.68
(2,143)	1:53:B:ALA:CA	1:53:C:ALA:CA	4	0.68
(2,143)	1:53:C:ALA:CA	1:53:D:ALA:CA	6	0.68
(2,143)	1:53:C:ALA:CA	1:53:D:ALA:CA	8	0.68
(2,143)	1:53:D:ALA:CA	1:53:E:ALA:CA	9	0.68
(2,142)	1:53:D:ALA:C	1:53:E:ALA:C	1	0.68
(2,142)	1:53:B:ALA:C	1:53:C:ALA:C	4	0.68
(2,142)	1:53:C:ALA:C	1:53:D:ALA:C	6	0.68
(2,142)	1:53:A:ALA:C	1:53:B:ALA:C	8	0.68
(2,142)	1:53:C:ALA:C	1:53:D:ALA:C	9	0.68
(2,141)	1:53:D:ALA:N	1:53:E:ALA:N	1	0.68
(2,141)	1:53:D:ALA:N	1:53:E:ALA:N	4	0.68
(2,141)	1:53:C:ALA:N	1:53:D:ALA:N	6	0.68
(2,141)	1:53:C:ALA:N	1:53:D:ALA:N	9	0.68
(2,140)	1:53:A:ALA:CA	1:53:B:ALA:CA	1	0.68
(2,140)	1:53:C:ALA:CA	1:53:D:ALA:CA	2	0.68
(2,140)	1:53:B:ALA:CA	1:53:C:ALA:CA	4	0.68
(2,140)	1:53:C:ALA:CA	1:53:D:ALA:CA	6	0.68
(2,140)	1:53:C:ALA:CA	1:53:D:ALA:CA	8	0.68
(2,140)	1:53:D:ALA:CA	1:53:E:ALA:CA	9	0.68
(2,139)	1:53:D:ALA:C	1:53:E:ALA:C	1	0.68
(2,139)	1:53:B:ALA:C	1:53:C:ALA:C	4	0.68
(2,139)	1:53:C:ALA:C	1:53:D:ALA:C	6	0.68
(2,139)	1:53:A:ALA:C	1:53:B:ALA:C	8	0.68
(2,139)	1:53:C:ALA:C	1:53:D:ALA:C	9	0.68
(2,138)	1:53:D:ALA:N	1:53:E:ALA:N	1	0.68
(2,138)	1:53:D:ALA:N	1:53:E:ALA:N	4	0.68
(2,138)	1:53:C:ALA:N	1:53:D:ALA:N	6	0.68
(2,138)	1:53:C:ALA:N	1:53:D:ALA:N	9	0.68
(2,137)	1:53:A:ALA:CA	1:53:B:ALA:CA	1	0.68
(2,137)	1:53:C:ALA:CA	1:53:D:ALA:CA	2	0.68
(2,137)	1:53:B:ALA:CA	1:53:C:ALA:CA	4	0.68
(2,137)	1:53:C:ALA:CA	1:53:D:ALA:CA	6	0.68
(2,137)	1:53:C:ALA:CA	1:53:D:ALA:CA	8	0.68
(2,137)	1:53:D:ALA:CA	1:53:E:ALA:CA	9	0.68
(2,136)	1:53:D:ALA:C	1:53:E:ALA:C	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,136)	1:53:B:ALA:C	1:53:C:ALA:C	4	0.68
(2,136)	1:53:C:ALA:C	1:53:D:ALA:C	6	0.68
(2,136)	1:53:A:ALA:C	1:53:B:ALA:C	8	0.68
(2,136)	1:53:C:ALA:C	1:53:D:ALA:C	9	0.68
(2,135)	1:53:D:ALA:N	1:53:E:ALA:N	1	0.68
(2,135)	1:53:D:ALA:N	1:53:E:ALA:N	4	0.68
(2,135)	1:53:C:ALA:N	1:53:D:ALA:N	6	0.68
(2,135)	1:53:C:ALA:N	1:53:D:ALA:N	9	0.68
(2,134)	1:53:A:ALA:CA	1:53:B:ALA:CA	1	0.68
(2,134)	1:53:C:ALA:CA	1:53:D:ALA:CA	2	0.68
(2,134)	1:53:B:ALA:CA	1:53:C:ALA:CA	4	0.68
(2,134)	1:53:C:ALA:CA	1:53:D:ALA:CA	6	0.68
(2,134)	1:53:C:ALA:CA	1:53:D:ALA:CA	8	0.68
(2,134)	1:53:D:ALA:CA	1:53:E:ALA:CA	9	0.68
(2,133)	1:53:D:ALA:C	1:53:E:ALA:C	1	0.68
(2,133)	1:53:B:ALA:C	1:53:C:ALA:C	4	0.68
(2,133)	1:53:C:ALA:C	1:53:D:ALA:C	6	0.68
(2,133)	1:53:A:ALA:C	1:53:B:ALA:C	8	0.68
(2,133)	1:53:C:ALA:C	1:53:D:ALA:C	9	0.68
(2,132)	1:52:B:VAL:N	1:52:C:VAL:N	1	0.68
(2,132)	1:52:C:VAL:N	1:52:D:VAL:N	2	0.68
(2,132)	1:52:A:VAL:N	1:52:B:VAL:N	4	0.68
(2,132)	1:52:C:VAL:N	1:52:D:VAL:N	6	0.68
(2,132)	1:52:A:VAL:N	1:52:B:VAL:N	8	0.68
(2,132)	1:52:A:VAL:N	1:52:B:VAL:N	9	0.68
(2,131)	1:52:D:VAL:CA	1:52:E:VAL:CA	1	0.68
(2,131)	1:52:D:VAL:CA	1:52:E:VAL:CA	2	0.68
(2,131)	1:52:D:VAL:CA	1:52:E:VAL:CA	4	0.68
(2,131)	1:52:C:VAL:CA	1:52:D:VAL:CA	6	0.68
(2,131)	1:52:C:VAL:CA	1:52:D:VAL:CA	9	0.68
(2,130)	1:52:D:VAL:C	1:52:E:VAL:C	1	0.68
(2,130)	1:52:D:VAL:C	1:52:E:VAL:C	2	0.68
(2,130)	1:52:D:VAL:C	1:52:E:VAL:C	4	0.68
(2,130)	1:52:D:VAL:C	1:52:E:VAL:C	6	0.68
(2,130)	1:52:C:VAL:C	1:52:D:VAL:C	8	0.68
(2,130)	1:52:C:VAL:C	1:52:D:VAL:C	9	0.68
(2,129)	1:52:B:VAL:N	1:52:C:VAL:N	1	0.68
(2,129)	1:52:C:VAL:N	1:52:D:VAL:N	2	0.68
(2,129)	1:52:A:VAL:N	1:52:B:VAL:N	4	0.68
(2,129)	1:52:C:VAL:N	1:52:D:VAL:N	6	0.68
(2,129)	1:52:A:VAL:N	1:52:B:VAL:N	8	0.68
(2,129)	1:52:A:VAL:N	1:52:B:VAL:N	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,128)	1:52:D:VAL:CA	1:52:E:VAL:CA	1	0.68
(2,128)	1:52:D:VAL:CA	1:52:E:VAL:CA	2	0.68
(2,128)	1:52:D:VAL:CA	1:52:E:VAL:CA	4	0.68
(2,128)	1:52:C:VAL:CA	1:52:D:VAL:CA	6	0.68
(2,128)	1:52:C:VAL:CA	1:52:D:VAL:CA	9	0.68
(2,127)	1:52:D:VAL:C	1:52:E:VAL:C	1	0.68
(2,127)	1:52:D:VAL:C	1:52:E:VAL:C	2	0.68
(2,127)	1:52:D:VAL:C	1:52:E:VAL:C	4	0.68
(2,127)	1:52:D:VAL:C	1:52:E:VAL:C	6	0.68
(2,127)	1:52:C:VAL:C	1:52:D:VAL:C	8	0.68
(2,127)	1:52:C:VAL:C	1:52:D:VAL:C	9	0.68
(2,126)	1:52:B:VAL:N	1:52:C:VAL:N	1	0.68
(2,126)	1:52:C:VAL:N	1:52:D:VAL:N	2	0.68
(2,126)	1:52:A:VAL:N	1:52:B:VAL:N	4	0.68
(2,126)	1:52:C:VAL:N	1:52:D:VAL:N	6	0.68
(2,126)	1:52:A:VAL:N	1:52:B:VAL:N	8	0.68
(2,126)	1:52:A:VAL:N	1:52:B:VAL:N	9	0.68
(2,125)	1:52:D:VAL:CA	1:52:E:VAL:CA	1	0.68
(2,125)	1:52:D:VAL:CA	1:52:E:VAL:CA	2	0.68
(2,125)	1:52:D:VAL:CA	1:52:E:VAL:CA	4	0.68
(2,125)	1:52:C:VAL:CA	1:52:D:VAL:CA	6	0.68
(2,125)	1:52:C:VAL:CA	1:52:D:VAL:CA	9	0.68
(2,124)	1:52:D:VAL:C	1:52:E:VAL:C	1	0.68
(2,124)	1:52:D:VAL:C	1:52:E:VAL:C	2	0.68
(2,124)	1:52:D:VAL:C	1:52:E:VAL:C	4	0.68
(2,124)	1:52:D:VAL:C	1:52:E:VAL:C	6	0.68
(2,124)	1:52:C:VAL:C	1:52:D:VAL:C	8	0.68
(2,124)	1:52:C:VAL:C	1:52:D:VAL:C	9	0.68
(2,123)	1:52:B:VAL:N	1:52:C:VAL:N	1	0.68
(2,123)	1:52:C:VAL:N	1:52:D:VAL:N	2	0.68
(2,123)	1:52:A:VAL:N	1:52:B:VAL:N	4	0.68
(2,123)	1:52:C:VAL:N	1:52:D:VAL:N	6	0.68
(2,123)	1:52:A:VAL:N	1:52:B:VAL:N	8	0.68
(2,123)	1:52:A:VAL:N	1:52:B:VAL:N	9	0.68
(2,122)	1:52:D:VAL:CA	1:52:E:VAL:CA	1	0.68
(2,122)	1:52:D:VAL:CA	1:52:E:VAL:CA	2	0.68
(2,122)	1:52:D:VAL:CA	1:52:E:VAL:CA	4	0.68
(2,122)	1:52:C:VAL:CA	1:52:D:VAL:CA	6	0.68
(2,122)	1:52:C:VAL:CA	1:52:D:VAL:CA	9	0.68
(2,121)	1:52:D:VAL:C	1:52:E:VAL:C	1	0.68
(2,121)	1:52:D:VAL:C	1:52:E:VAL:C	2	0.68
(2,121)	1:52:D:VAL:C	1:52:E:VAL:C	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,121)	1:52:D:VAL:C	1:52:E:VAL:C	6	0.68
(2,121)	1:52:C:VAL:C	1:52:D:VAL:C	8	0.68
(2,121)	1:52:C:VAL:C	1:52:D:VAL:C	9	0.68
(2,120)	1:50:A:HIS:N	1:50:B:HIS:N	1	0.68
(2,120)	1:50:D:HIS:N	1:50:E:HIS:N	2	0.68
(2,120)	1:50:B:HIS:N	1:50:C:HIS:N	3	0.68
(2,120)	1:50:D:HIS:N	1:50:E:HIS:N	4	0.68
(2,120)	1:50:D:HIS:N	1:50:E:HIS:N	6	0.68
(2,120)	1:50:D:HIS:N	1:50:E:HIS:N	8	0.68
(2,120)	1:50:B:HIS:N	1:50:C:HIS:N	9	0.68
(2,119)	1:50:C:HIS:CA	1:50:D:HIS:CA	1	0.68
(2,119)	1:50:C:HIS:CA	1:50:D:HIS:CA	4	0.68
(2,119)	1:50:D:HIS:CA	1:50:E:HIS:CA	6	0.68
(2,119)	1:50:A:HIS:CA	1:50:B:HIS:CA	8	0.68
(2,119)	1:50:C:HIS:CA	1:50:D:HIS:CA	9	0.68
(2,118)	1:50:C:HIS:C	1:50:D:HIS:C	1	0.68
(2,118)	1:50:B:HIS:C	1:50:C:HIS:C	4	0.68
(2,118)	1:50:C:HIS:C	1:50:D:HIS:C	6	0.68
(2,118)	1:50:D:HIS:C	1:50:E:HIS:C	8	0.68
(2,118)	1:50:C:HIS:C	1:50:D:HIS:C	9	0.68
(2,117)	1:50:A:HIS:N	1:50:B:HIS:N	1	0.68
(2,117)	1:50:D:HIS:N	1:50:E:HIS:N	2	0.68
(2,117)	1:50:B:HIS:N	1:50:C:HIS:N	3	0.68
(2,117)	1:50:D:HIS:N	1:50:E:HIS:N	4	0.68
(2,117)	1:50:D:HIS:N	1:50:E:HIS:N	6	0.68
(2,117)	1:50:D:HIS:N	1:50:E:HIS:N	8	0.68
(2,117)	1:50:B:HIS:N	1:50:C:HIS:N	9	0.68
(2,116)	1:50:C:HIS:CA	1:50:D:HIS:CA	1	0.68
(2,116)	1:50:C:HIS:CA	1:50:D:HIS:CA	4	0.68
(2,116)	1:50:D:HIS:CA	1:50:E:HIS:CA	6	0.68
(2,116)	1:50:A:HIS:CA	1:50:B:HIS:CA	8	0.68
(2,116)	1:50:C:HIS:CA	1:50:D:HIS:CA	9	0.68
(2,115)	1:50:C:HIS:C	1:50:D:HIS:C	1	0.68
(2,115)	1:50:B:HIS:C	1:50:C:HIS:C	4	0.68
(2,115)	1:50:C:HIS:C	1:50:D:HIS:C	6	0.68
(2,115)	1:50:D:HIS:C	1:50:E:HIS:C	8	0.68
(2,115)	1:50:C:HIS:C	1:50:D:HIS:C	9	0.68
(2,114)	1:50:A:HIS:N	1:50:B:HIS:N	1	0.68
(2,114)	1:50:D:HIS:N	1:50:E:HIS:N	2	0.68
(2,114)	1:50:B:HIS:N	1:50:C:HIS:N	3	0.68
(2,114)	1:50:D:HIS:N	1:50:E:HIS:N	4	0.68
(2,114)	1:50:D:HIS:N	1:50:E:HIS:N	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,114)	1:50:D:HIS:N	1:50:E:HIS:N	8	0.68
(2,114)	1:50:B:HIS:N	1:50:C:HIS:N	9	0.68
(2,113)	1:50:C:HIS:CA	1:50:D:HIS:CA	1	0.68
(2,113)	1:50:C:HIS:CA	1:50:D:HIS:CA	4	0.68
(2,113)	1:50:D:HIS:CA	1:50:E:HIS:CA	6	0.68
(2,113)	1:50:A:HIS:CA	1:50:B:HIS:CA	8	0.68
(2,113)	1:50:C:HIS:CA	1:50:D:HIS:CA	9	0.68
(2,112)	1:50:C:HIS:C	1:50:D:HIS:C	1	0.68
(2,112)	1:50:B:HIS:C	1:50:C:HIS:C	4	0.68
(2,112)	1:50:C:HIS:C	1:50:D:HIS:C	6	0.68
(2,112)	1:50:D:HIS:C	1:50:E:HIS:C	8	0.68
(2,112)	1:50:C:HIS:C	1:50:D:HIS:C	9	0.68
(2,111)	1:50:A:HIS:N	1:50:B:HIS:N	1	0.68
(2,111)	1:50:D:HIS:N	1:50:E:HIS:N	2	0.68
(2,111)	1:50:B:HIS:N	1:50:C:HIS:N	3	0.68
(2,111)	1:50:D:HIS:N	1:50:E:HIS:N	4	0.68
(2,111)	1:50:D:HIS:N	1:50:E:HIS:N	6	0.68
(2,111)	1:50:D:HIS:N	1:50:E:HIS:N	8	0.68
(2,111)	1:50:B:HIS:N	1:50:C:HIS:N	9	0.68
(2,110)	1:50:C:HIS:CA	1:50:D:HIS:CA	1	0.68
(2,110)	1:50:C:HIS:CA	1:50:D:HIS:CA	4	0.68
(2,110)	1:50:D:HIS:CA	1:50:E:HIS:CA	6	0.68
(2,110)	1:50:A:HIS:CA	1:50:B:HIS:CA	8	0.68
(2,110)	1:50:C:HIS:CA	1:50:D:HIS:CA	9	0.68
(2,109)	1:50:C:HIS:C	1:50:D:HIS:C	1	0.68
(2,109)	1:50:B:HIS:C	1:50:C:HIS:C	4	0.68
(2,109)	1:50:C:HIS:C	1:50:D:HIS:C	6	0.68
(2,109)	1:50:D:HIS:C	1:50:E:HIS:C	8	0.68
(2,109)	1:50:C:HIS:C	1:50:D:HIS:C	9	0.68
(2,108)	1:49:B:VAL:N	1:49:C:VAL:N	1	0.68
(2,108)	1:49:C:VAL:N	1:49:D:VAL:N	4	0.68
(2,108)	1:49:A:VAL:N	1:49:B:VAL:N	6	0.68
(2,108)	1:49:C:VAL:N	1:49:D:VAL:N	9	0.68
(2,107)	1:49:A:VAL:CA	1:49:B:VAL:CA	1	0.68
(2,107)	1:49:D:VAL:CA	1:49:E:VAL:CA	2	0.68
(2,107)	1:49:D:VAL:CA	1:49:E:VAL:CA	3	0.68
(2,107)	1:49:B:VAL:CA	1:49:C:VAL:CA	4	0.68
(2,107)	1:49:A:VAL:CA	1:49:B:VAL:CA	6	0.68
(2,107)	1:49:D:VAL:CA	1:49:E:VAL:CA	8	0.68
(2,107)	1:49:C:VAL:CA	1:49:D:VAL:CA	9	0.68
(2,106)	1:49:D:VAL:C	1:49:E:VAL:C	1	0.68
(2,106)	1:49:D:VAL:C	1:49:E:VAL:C	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,106)	1:49:D:VAL:C	1:49:E:VAL:C	4	0.68
(2,106)	1:49:A:VAL:C	1:49:B:VAL:C	6	0.68
(2,106)	1:49:D:VAL:C	1:49:E:VAL:C	8	0.68
(2,106)	1:49:C:VAL:C	1:49:D:VAL:C	9	0.68
(2,105)	1:49:B:VAL:N	1:49:C:VAL:N	1	0.68
(2,105)	1:49:C:VAL:N	1:49:D:VAL:N	4	0.68
(2,105)	1:49:A:VAL:N	1:49:B:VAL:N	6	0.68
(2,105)	1:49:C:VAL:N	1:49:D:VAL:N	9	0.68
(2,104)	1:49:A:VAL:CA	1:49:B:VAL:CA	1	0.68
(2,104)	1:49:D:VAL:CA	1:49:E:VAL:CA	2	0.68
(2,104)	1:49:D:VAL:CA	1:49:E:VAL:CA	3	0.68
(2,104)	1:49:B:VAL:CA	1:49:C:VAL:CA	4	0.68
(2,104)	1:49:A:VAL:CA	1:49:B:VAL:CA	6	0.68
(2,104)	1:49:D:VAL:CA	1:49:E:VAL:CA	8	0.68
(2,104)	1:49:C:VAL:CA	1:49:D:VAL:CA	9	0.68
(2,103)	1:49:D:VAL:C	1:49:E:VAL:C	1	0.68
(2,103)	1:49:D:VAL:C	1:49:E:VAL:C	2	0.68
(2,103)	1:49:D:VAL:C	1:49:E:VAL:C	4	0.68
(2,103)	1:49:A:VAL:C	1:49:B:VAL:C	6	0.68
(2,103)	1:49:D:VAL:C	1:49:E:VAL:C	8	0.68
(2,103)	1:49:C:VAL:C	1:49:D:VAL:C	9	0.68
(2,102)	1:49:B:VAL:N	1:49:C:VAL:N	1	0.68
(2,102)	1:49:C:VAL:N	1:49:D:VAL:N	4	0.68
(2,102)	1:49:A:VAL:N	1:49:B:VAL:N	6	0.68
(2,102)	1:49:C:VAL:N	1:49:D:VAL:N	9	0.68
(2,101)	1:49:A:VAL:CA	1:49:B:VAL:CA	1	0.68
(2,101)	1:49:D:VAL:CA	1:49:E:VAL:CA	2	0.68
(2,101)	1:49:D:VAL:CA	1:49:E:VAL:CA	3	0.68
(2,101)	1:49:B:VAL:CA	1:49:C:VAL:CA	4	0.68
(2,101)	1:49:A:VAL:CA	1:49:B:VAL:CA	6	0.68
(2,101)	1:49:D:VAL:CA	1:49:E:VAL:CA	8	0.68
(2,101)	1:49:C:VAL:CA	1:49:D:VAL:CA	9	0.68
(2,100)	1:49:D:VAL:C	1:49:E:VAL:C	1	0.68
(2,100)	1:49:D:VAL:C	1:49:E:VAL:C	2	0.68
(2,100)	1:49:D:VAL:C	1:49:E:VAL:C	4	0.68
(2,100)	1:49:A:VAL:C	1:49:B:VAL:C	6	0.68
(2,100)	1:49:D:VAL:C	1:49:E:VAL:C	8	0.68
(2,100)	1:49:C:VAL:C	1:49:D:VAL:C	9	0.68
(2,99)	1:49:B:VAL:N	1:49:C:VAL:N	1	0.68
(2,99)	1:49:C:VAL:N	1:49:D:VAL:N	4	0.68
(2,99)	1:49:A:VAL:N	1:49:B:VAL:N	6	0.68
(2,99)	1:49:C:VAL:N	1:49:D:VAL:N	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,98)	1:49:A:VAL:CA	1:49:B:VAL:CA	1	0.68
(2,98)	1:49:D:VAL:CA	1:49:E:VAL:CA	2	0.68
(2,98)	1:49:D:VAL:CA	1:49:E:VAL:CA	3	0.68
(2,98)	1:49:B:VAL:CA	1:49:C:VAL:CA	4	0.68
(2,98)	1:49:A:VAL:CA	1:49:B:VAL:CA	6	0.68
(2,98)	1:49:D:VAL:CA	1:49:E:VAL:CA	8	0.68
(2,98)	1:49:C:VAL:CA	1:49:D:VAL:CA	9	0.68
(2,97)	1:49:D:VAL:C	1:49:E:VAL:C	1	0.68
(2,97)	1:49:D:VAL:C	1:49:E:VAL:C	2	0.68
(2,97)	1:49:D:VAL:C	1:49:E:VAL:C	4	0.68
(2,97)	1:49:A:VAL:C	1:49:B:VAL:C	6	0.68
(2,97)	1:49:D:VAL:C	1:49:E:VAL:C	8	0.68
(2,97)	1:49:C:VAL:C	1:49:D:VAL:C	9	0.68
(2,96)	1:48:D:VAL:N	1:48:E:VAL:N	1	0.68
(2,96)	1:48:A:VAL:N	1:48:B:VAL:N	2	0.68
(2,96)	1:48:C:VAL:N	1:48:D:VAL:N	4	0.68
(2,96)	1:48:A:VAL:N	1:48:B:VAL:N	6	0.68
(2,96)	1:48:A:VAL:N	1:48:B:VAL:N	9	0.68
(2,95)	1:48:A:VAL:CA	1:48:B:VAL:CA	1	0.68
(2,95)	1:48:D:VAL:CA	1:48:E:VAL:CA	2	0.68
(2,95)	1:48:A:VAL:CA	1:48:B:VAL:CA	3	0.68
(2,95)	1:48:D:VAL:CA	1:48:E:VAL:CA	4	0.68
(2,95)	1:48:D:VAL:CA	1:48:E:VAL:CA	6	0.68
(2,95)	1:48:C:VAL:CA	1:48:D:VAL:CA	9	0.68
(2,94)	1:48:A:VAL:C	1:48:B:VAL:C	1	0.68
(2,94)	1:48:C:VAL:C	1:48:D:VAL:C	2	0.68
(2,94)	1:48:C:VAL:C	1:48:D:VAL:C	4	0.68
(2,94)	1:48:A:VAL:C	1:48:B:VAL:C	6	0.68
(2,94)	1:48:C:VAL:C	1:48:D:VAL:C	8	0.68
(2,94)	1:48:C:VAL:C	1:48:D:VAL:C	9	0.68
(2,93)	1:48:D:VAL:N	1:48:E:VAL:N	1	0.68
(2,93)	1:48:A:VAL:N	1:48:B:VAL:N	2	0.68
(2,93)	1:48:C:VAL:N	1:48:D:VAL:N	4	0.68
(2,93)	1:48:A:VAL:N	1:48:B:VAL:N	6	0.68
(2,93)	1:48:A:VAL:N	1:48:B:VAL:N	9	0.68
(2,92)	1:48:A:VAL:CA	1:48:B:VAL:CA	1	0.68
(2,92)	1:48:D:VAL:CA	1:48:E:VAL:CA	2	0.68
(2,92)	1:48:A:VAL:CA	1:48:B:VAL:CA	3	0.68
(2,92)	1:48:D:VAL:CA	1:48:E:VAL:CA	4	0.68
(2,92)	1:48:D:VAL:CA	1:48:E:VAL:CA	6	0.68
(2,92)	1:48:C:VAL:CA	1:48:D:VAL:CA	9	0.68
(2,91)	1:48:A:VAL:C	1:48:B:VAL:C	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,91)	1:48:C:VAL:C	1:48:D:VAL:C	2	0.68
(2,91)	1:48:C:VAL:C	1:48:D:VAL:C	4	0.68
(2,91)	1:48:A:VAL:C	1:48:B:VAL:C	6	0.68
(2,91)	1:48:C:VAL:C	1:48:D:VAL:C	8	0.68
(2,91)	1:48:C:VAL:C	1:48:D:VAL:C	9	0.68
(2,90)	1:48:D:VAL:N	1:48:E:VAL:N	1	0.68
(2,90)	1:48:A:VAL:N	1:48:B:VAL:N	2	0.68
(2,90)	1:48:C:VAL:N	1:48:D:VAL:N	4	0.68
(2,90)	1:48:A:VAL:N	1:48:B:VAL:N	6	0.68
(2,90)	1:48:A:VAL:N	1:48:B:VAL:N	9	0.68
(2,89)	1:48:A:VAL:CA	1:48:B:VAL:CA	1	0.68
(2,89)	1:48:D:VAL:CA	1:48:E:VAL:CA	2	0.68
(2,89)	1:48:A:VAL:CA	1:48:B:VAL:CA	3	0.68
(2,89)	1:48:D:VAL:CA	1:48:E:VAL:CA	4	0.68
(2,89)	1:48:D:VAL:CA	1:48:E:VAL:CA	6	0.68
(2,89)	1:48:C:VAL:CA	1:48:D:VAL:CA	9	0.68
(2,88)	1:48:A:VAL:C	1:48:B:VAL:C	1	0.68
(2,88)	1:48:C:VAL:C	1:48:D:VAL:C	2	0.68
(2,88)	1:48:C:VAL:C	1:48:D:VAL:C	4	0.68
(2,88)	1:48:A:VAL:C	1:48:B:VAL:C	6	0.68
(2,88)	1:48:C:VAL:C	1:48:D:VAL:C	8	0.68
(2,88)	1:48:C:VAL:C	1:48:D:VAL:C	9	0.68
(2,87)	1:48:D:VAL:N	1:48:E:VAL:N	1	0.68
(2,87)	1:48:A:VAL:N	1:48:B:VAL:N	2	0.68
(2,87)	1:48:C:VAL:N	1:48:D:VAL:N	4	0.68
(2,87)	1:48:A:VAL:N	1:48:B:VAL:N	6	0.68
(2,87)	1:48:A:VAL:N	1:48:B:VAL:N	9	0.68
(2,86)	1:48:A:VAL:CA	1:48:B:VAL:CA	1	0.68
(2,86)	1:48:D:VAL:CA	1:48:E:VAL:CA	2	0.68
(2,86)	1:48:A:VAL:CA	1:48:B:VAL:CA	3	0.68
(2,86)	1:48:D:VAL:CA	1:48:E:VAL:CA	4	0.68
(2,86)	1:48:D:VAL:CA	1:48:E:VAL:CA	6	0.68
(2,86)	1:48:C:VAL:CA	1:48:D:VAL:CA	9	0.68
(2,85)	1:48:A:VAL:C	1:48:B:VAL:C	1	0.68
(2,85)	1:48:C:VAL:C	1:48:D:VAL:C	2	0.68
(2,85)	1:48:C:VAL:C	1:48:D:VAL:C	4	0.68
(2,85)	1:48:A:VAL:C	1:48:B:VAL:C	6	0.68
(2,85)	1:48:C:VAL:C	1:48:D:VAL:C	8	0.68
(2,85)	1:48:C:VAL:C	1:48:D:VAL:C	9	0.68
(2,84)	1:46:A:GLU:N	1:46:B:GLU:N	1	0.68
(2,84)	1:46:D:GLU:N	1:46:E:GLU:N	2	0.68
(2,84)	1:46:C:GLU:N	1:46:D:GLU:N	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,84)	1:46:C:GLU:N	1:46:D:GLU:N	4	0.68
(2,84)	1:46:A:GLU:N	1:46:B:GLU:N	6	0.68
(2,84)	1:46:A:GLU:N	1:46:B:GLU:N	8	0.68
(2,84)	1:46:C:GLU:N	1:46:D:GLU:N	9	0.68
(2,83)	1:46:C:GLU:CA	1:46:D:GLU:CA	1	0.68
(2,83)	1:46:A:GLU:CA	1:46:B:GLU:CA	2	0.68
(2,83)	1:46:C:GLU:CA	1:46:D:GLU:CA	4	0.68
(2,83)	1:46:A:GLU:CA	1:46:B:GLU:CA	6	0.68
(2,83)	1:46:A:GLU:CA	1:46:B:GLU:CA	8	0.68
(2,83)	1:46:C:GLU:CA	1:46:D:GLU:CA	9	0.68
(2,82)	1:46:C:GLU:C	1:46:D:GLU:C	1	0.68
(2,82)	1:46:B:GLU:C	1:46:C:GLU:C	2	0.68
(2,82)	1:46:A:GLU:C	1:46:B:GLU:C	4	0.68
(2,82)	1:46:A:GLU:C	1:46:B:GLU:C	6	0.68
(2,82)	1:46:C:GLU:C	1:46:D:GLU:C	8	0.68
(2,82)	1:46:C:GLU:C	1:46:D:GLU:C	9	0.68
(2,81)	1:46:A:GLU:N	1:46:B:GLU:N	1	0.68
(2,81)	1:46:D:GLU:N	1:46:E:GLU:N	2	0.68
(2,81)	1:46:C:GLU:N	1:46:D:GLU:N	3	0.68
(2,81)	1:46:C:GLU:N	1:46:D:GLU:N	4	0.68
(2,81)	1:46:A:GLU:N	1:46:B:GLU:N	6	0.68
(2,81)	1:46:A:GLU:N	1:46:B:GLU:N	8	0.68
(2,81)	1:46:C:GLU:N	1:46:D:GLU:N	9	0.68
(2,80)	1:46:C:GLU:CA	1:46:D:GLU:CA	1	0.68
(2,80)	1:46:A:GLU:CA	1:46:B:GLU:CA	2	0.68
(2,80)	1:46:C:GLU:CA	1:46:D:GLU:CA	4	0.68
(2,80)	1:46:A:GLU:CA	1:46:B:GLU:CA	6	0.68
(2,80)	1:46:A:GLU:CA	1:46:B:GLU:CA	8	0.68
(2,80)	1:46:C:GLU:CA	1:46:D:GLU:CA	9	0.68
(2,79)	1:46:C:GLU:C	1:46:D:GLU:C	1	0.68
(2,79)	1:46:B:GLU:C	1:46:C:GLU:C	2	0.68
(2,79)	1:46:A:GLU:C	1:46:B:GLU:C	4	0.68
(2,79)	1:46:A:GLU:C	1:46:B:GLU:C	6	0.68
(2,79)	1:46:C:GLU:C	1:46:D:GLU:C	8	0.68
(2,79)	1:46:C:GLU:C	1:46:D:GLU:C	9	0.68
(2,78)	1:46:A:GLU:N	1:46:B:GLU:N	1	0.68
(2,78)	1:46:D:GLU:N	1:46:E:GLU:N	2	0.68
(2,78)	1:46:C:GLU:N	1:46:D:GLU:N	3	0.68
(2,78)	1:46:C:GLU:N	1:46:D:GLU:N	4	0.68
(2,78)	1:46:A:GLU:N	1:46:B:GLU:N	6	0.68
(2,78)	1:46:A:GLU:N	1:46:B:GLU:N	8	0.68
(2,78)	1:46:C:GLU:N	1:46:D:GLU:N	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,77)	1:46:C:GLU:CA	1:46:D:GLU:CA	1	0.68
(2,77)	1:46:A:GLU:CA	1:46:B:GLU:CA	2	0.68
(2,77)	1:46:C:GLU:CA	1:46:D:GLU:CA	4	0.68
(2,77)	1:46:A:GLU:CA	1:46:B:GLU:CA	6	0.68
(2,77)	1:46:A:GLU:CA	1:46:B:GLU:CA	8	0.68
(2,77)	1:46:C:GLU:CA	1:46:D:GLU:CA	9	0.68
(2,76)	1:46:C:GLU:C	1:46:D:GLU:C	1	0.68
(2,76)	1:46:B:GLU:C	1:46:C:GLU:C	2	0.68
(2,76)	1:46:A:GLU:C	1:46:B:GLU:C	4	0.68
(2,76)	1:46:A:GLU:C	1:46:B:GLU:C	6	0.68
(2,76)	1:46:C:GLU:C	1:46:D:GLU:C	8	0.68
(2,76)	1:46:C:GLU:C	1:46:D:GLU:C	9	0.68
(2,75)	1:46:A:GLU:N	1:46:B:GLU:N	1	0.68
(2,75)	1:46:D:GLU:N	1:46:E:GLU:N	2	0.68
(2,75)	1:46:C:GLU:N	1:46:D:GLU:N	3	0.68
(2,75)	1:46:C:GLU:N	1:46:D:GLU:N	4	0.68
(2,75)	1:46:A:GLU:N	1:46:B:GLU:N	6	0.68
(2,75)	1:46:A:GLU:N	1:46:B:GLU:N	8	0.68
(2,75)	1:46:C:GLU:N	1:46:D:GLU:N	9	0.68
(2,74)	1:46:C:GLU:CA	1:46:D:GLU:CA	1	0.68
(2,74)	1:46:A:GLU:CA	1:46:B:GLU:CA	2	0.68
(2,74)	1:46:C:GLU:CA	1:46:D:GLU:CA	4	0.68
(2,74)	1:46:A:GLU:CA	1:46:B:GLU:CA	6	0.68
(2,74)	1:46:A:GLU:CA	1:46:B:GLU:CA	8	0.68
(2,74)	1:46:C:GLU:CA	1:46:D:GLU:CA	9	0.68
(2,73)	1:46:C:GLU:C	1:46:D:GLU:C	1	0.68
(2,73)	1:46:B:GLU:C	1:46:C:GLU:C	2	0.68
(2,73)	1:46:A:GLU:C	1:46:B:GLU:C	4	0.68
(2,73)	1:46:A:GLU:C	1:46:B:GLU:C	6	0.68
(2,73)	1:46:C:GLU:C	1:46:D:GLU:C	8	0.68
(2,73)	1:46:C:GLU:C	1:46:D:GLU:C	9	0.68
(2,72)	1:45:C:LYS:N	1:45:D:LYS:N	1	0.68
(2,72)	1:45:B:LYS:N	1:45:C:LYS:N	2	0.68
(2,72)	1:45:B:LYS:N	1:45:C:LYS:N	4	0.68
(2,72)	1:45:C:LYS:N	1:45:D:LYS:N	6	0.68
(2,72)	1:45:C:LYS:N	1:45:D:LYS:N	9	0.68
(2,71)	1:45:A:LYS:CA	1:45:B:LYS:CA	1	0.68
(2,71)	1:45:C:LYS:CA	1:45:D:LYS:CA	2	0.68
(2,71)	1:45:C:LYS:CA	1:45:D:LYS:CA	4	0.68
(2,71)	1:45:A:LYS:CA	1:45:B:LYS:CA	6	0.68
(2,71)	1:45:C:LYS:CA	1:45:D:LYS:CA	9	0.68
(2,70)	1:45:D:LYS:C	1:45:E:LYS:C	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:45:C:LYS:C	1:45:D:LYS:C	2	0.68
(2,70)	1:45:C:LYS:C	1:45:D:LYS:C	3	0.68
(2,70)	1:45:B:LYS:C	1:45:C:LYS:C	4	0.68
(2,70)	1:45:C:LYS:C	1:45:D:LYS:C	6	0.68
(2,70)	1:45:C:LYS:C	1:45:D:LYS:C	9	0.68
(2,69)	1:45:C:LYS:N	1:45:D:LYS:N	1	0.68
(2,69)	1:45:B:LYS:N	1:45:C:LYS:N	2	0.68
(2,69)	1:45:B:LYS:N	1:45:C:LYS:N	4	0.68
(2,69)	1:45:C:LYS:N	1:45:D:LYS:N	6	0.68
(2,69)	1:45:C:LYS:N	1:45:D:LYS:N	9	0.68
(2,68)	1:45:A:LYS:CA	1:45:B:LYS:CA	1	0.68
(2,68)	1:45:C:LYS:CA	1:45:D:LYS:CA	2	0.68
(2,68)	1:45:C:LYS:CA	1:45:D:LYS:CA	4	0.68
(2,68)	1:45:A:LYS:CA	1:45:B:LYS:CA	6	0.68
(2,68)	1:45:C:LYS:CA	1:45:D:LYS:CA	9	0.68
(2,67)	1:45:D:LYS:C	1:45:E:LYS:C	1	0.68
(2,67)	1:45:C:LYS:C	1:45:D:LYS:C	2	0.68
(2,67)	1:45:C:LYS:C	1:45:D:LYS:C	3	0.68
(2,67)	1:45:B:LYS:C	1:45:C:LYS:C	4	0.68
(2,67)	1:45:C:LYS:C	1:45:D:LYS:C	6	0.68
(2,67)	1:45:C:LYS:C	1:45:D:LYS:C	9	0.68
(2,66)	1:45:C:LYS:N	1:45:D:LYS:N	1	0.68
(2,66)	1:45:B:LYS:N	1:45:C:LYS:N	2	0.68
(2,66)	1:45:B:LYS:N	1:45:C:LYS:N	4	0.68
(2,66)	1:45:C:LYS:N	1:45:D:LYS:N	6	0.68
(2,66)	1:45:C:LYS:N	1:45:D:LYS:N	9	0.68
(2,65)	1:45:A:LYS:CA	1:45:B:LYS:CA	1	0.68
(2,65)	1:45:C:LYS:CA	1:45:D:LYS:CA	2	0.68
(2,65)	1:45:C:LYS:CA	1:45:D:LYS:CA	4	0.68
(2,65)	1:45:A:LYS:CA	1:45:B:LYS:CA	6	0.68
(2,65)	1:45:C:LYS:CA	1:45:D:LYS:CA	9	0.68
(2,64)	1:45:D:LYS:C	1:45:E:LYS:C	1	0.68
(2,64)	1:45:C:LYS:C	1:45:D:LYS:C	2	0.68
(2,64)	1:45:C:LYS:C	1:45:D:LYS:C	3	0.68
(2,64)	1:45:B:LYS:C	1:45:C:LYS:C	4	0.68
(2,64)	1:45:C:LYS:C	1:45:D:LYS:C	6	0.68
(2,64)	1:45:C:LYS:C	1:45:D:LYS:C	9	0.68
(2,63)	1:45:C:LYS:N	1:45:D:LYS:N	1	0.68
(2,63)	1:45:B:LYS:N	1:45:C:LYS:N	2	0.68
(2,63)	1:45:B:LYS:N	1:45:C:LYS:N	4	0.68
(2,63)	1:45:C:LYS:N	1:45:D:LYS:N	6	0.68
(2,63)	1:45:C:LYS:N	1:45:D:LYS:N	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,62)	1:45:A:LYS:CA	1:45:B:LYS:CA	1	0.68
(2,62)	1:45:C:LYS:CA	1:45:D:LYS:CA	2	0.68
(2,62)	1:45:C:LYS:CA	1:45:D:LYS:CA	4	0.68
(2,62)	1:45:A:LYS:CA	1:45:B:LYS:CA	6	0.68
(2,62)	1:45:C:LYS:CA	1:45:D:LYS:CA	9	0.68
(2,61)	1:45:D:LYS:C	1:45:E:LYS:C	1	0.68
(2,61)	1:45:C:LYS:C	1:45:D:LYS:C	2	0.68
(2,61)	1:45:C:LYS:C	1:45:D:LYS:C	3	0.68
(2,61)	1:45:B:LYS:C	1:45:C:LYS:C	4	0.68
(2,61)	1:45:C:LYS:C	1:45:D:LYS:C	6	0.68
(2,61)	1:45:C:LYS:C	1:45:D:LYS:C	9	0.68
(2,60)	1:44:A:THR:N	1:44:B:THR:N	1	0.68
(2,60)	1:44:A:THR:N	1:44:B:THR:N	4	0.68
(2,60)	1:44:D:THR:N	1:44:E:THR:N	6	0.68
(2,60)	1:44:C:THR:N	1:44:D:THR:N	9	0.68
(2,59)	1:44:C:THR:CA	1:44:D:THR:CA	1	0.68
(2,59)	1:44:A:THR:CA	1:44:B:THR:CA	2	0.68
(2,59)	1:44:A:THR:CA	1:44:B:THR:CA	3	0.68
(2,59)	1:44:B:THR:CA	1:44:C:THR:CA	4	0.68
(2,59)	1:44:A:THR:CA	1:44:B:THR:CA	6	0.68
(2,59)	1:44:A:THR:CA	1:44:B:THR:CA	8	0.68
(2,59)	1:44:C:THR:CA	1:44:D:THR:CA	9	0.68
(2,58)	1:44:D:THR:C	1:44:E:THR:C	1	0.68
(2,58)	1:44:B:THR:C	1:44:C:THR:C	2	0.68
(2,58)	1:44:C:THR:C	1:44:D:THR:C	4	0.68
(2,58)	1:44:A:THR:C	1:44:B:THR:C	6	0.68
(2,58)	1:44:C:THR:C	1:44:D:THR:C	8	0.68
(2,58)	1:44:C:THR:C	1:44:D:THR:C	9	0.68
(2,57)	1:44:A:THR:N	1:44:B:THR:N	1	0.68
(2,57)	1:44:A:THR:N	1:44:B:THR:N	4	0.68
(2,57)	1:44:D:THR:N	1:44:E:THR:N	6	0.68
(2,57)	1:44:C:THR:N	1:44:D:THR:N	9	0.68
(2,56)	1:44:C:THR:CA	1:44:D:THR:CA	1	0.68
(2,56)	1:44:A:THR:CA	1:44:B:THR:CA	2	0.68
(2,56)	1:44:A:THR:CA	1:44:B:THR:CA	3	0.68
(2,56)	1:44:B:THR:CA	1:44:C:THR:CA	4	0.68
(2,56)	1:44:A:THR:CA	1:44:B:THR:CA	6	0.68
(2,56)	1:44:A:THR:CA	1:44:B:THR:CA	8	0.68
(2,56)	1:44:C:THR:CA	1:44:D:THR:CA	9	0.68
(2,55)	1:44:D:THR:C	1:44:E:THR:C	1	0.68
(2,55)	1:44:B:THR:C	1:44:C:THR:C	2	0.68
(2,55)	1:44:C:THR:C	1:44:D:THR:C	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:44:A:THR:C	1:44:B:THR:C	6	0.68
(2,55)	1:44:C:THR:C	1:44:D:THR:C	8	0.68
(2,55)	1:44:C:THR:C	1:44:D:THR:C	9	0.68
(2,54)	1:44:A:THR:N	1:44:B:THR:N	1	0.68
(2,54)	1:44:A:THR:N	1:44:B:THR:N	4	0.68
(2,54)	1:44:D:THR:N	1:44:E:THR:N	6	0.68
(2,54)	1:44:C:THR:N	1:44:D:THR:N	9	0.68
(2,53)	1:44:C:THR:CA	1:44:D:THR:CA	1	0.68
(2,53)	1:44:A:THR:CA	1:44:B:THR:CA	2	0.68
(2,53)	1:44:A:THR:CA	1:44:B:THR:CA	3	0.68
(2,53)	1:44:B:THR:CA	1:44:C:THR:CA	4	0.68
(2,53)	1:44:A:THR:CA	1:44:B:THR:CA	6	0.68
(2,53)	1:44:A:THR:CA	1:44:B:THR:CA	8	0.68
(2,53)	1:44:C:THR:CA	1:44:D:THR:CA	9	0.68
(2,52)	1:44:D:THR:C	1:44:E:THR:C	1	0.68
(2,52)	1:44:B:THR:C	1:44:C:THR:C	2	0.68
(2,52)	1:44:C:THR:C	1:44:D:THR:C	4	0.68
(2,52)	1:44:A:THR:C	1:44:B:THR:C	6	0.68
(2,52)	1:44:C:THR:C	1:44:D:THR:C	8	0.68
(2,52)	1:44:C:THR:C	1:44:D:THR:C	9	0.68
(2,51)	1:44:A:THR:N	1:44:B:THR:N	1	0.68
(2,51)	1:44:A:THR:N	1:44:B:THR:N	4	0.68
(2,51)	1:44:D:THR:N	1:44:E:THR:N	6	0.68
(2,51)	1:44:C:THR:N	1:44:D:THR:N	9	0.68
(2,50)	1:44:C:THR:CA	1:44:D:THR:CA	1	0.68
(2,50)	1:44:A:THR:CA	1:44:B:THR:CA	2	0.68
(2,50)	1:44:A:THR:CA	1:44:B:THR:CA	3	0.68
(2,50)	1:44:B:THR:CA	1:44:C:THR:CA	4	0.68
(2,50)	1:44:A:THR:CA	1:44:B:THR:CA	6	0.68
(2,50)	1:44:A:THR:CA	1:44:B:THR:CA	8	0.68
(2,50)	1:44:C:THR:CA	1:44:D:THR:CA	9	0.68
(2,49)	1:44:D:THR:C	1:44:E:THR:C	1	0.68
(2,49)	1:44:B:THR:C	1:44:C:THR:C	2	0.68
(2,49)	1:44:C:THR:C	1:44:D:THR:C	4	0.68
(2,49)	1:44:A:THR:C	1:44:B:THR:C	6	0.68
(2,49)	1:44:C:THR:C	1:44:D:THR:C	8	0.68
(2,49)	1:44:C:THR:C	1:44:D:THR:C	9	0.68
(2,48)	1:43:D:LYS:N	1:43:E:LYS:N	1	0.68
(2,48)	1:43:B:LYS:N	1:43:C:LYS:N	2	0.68
(2,48)	1:43:D:LYS:N	1:43:E:LYS:N	4	0.68
(2,48)	1:43:D:LYS:N	1:43:E:LYS:N	6	0.68
(2,48)	1:43:A:LYS:N	1:43:B:LYS:N	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,48)	1:43:C:LYS:N	1:43:D:LYS:N	9	0.68
(2,47)	1:43:C:LYS:CA	1:43:D:LYS:CA	1	0.68
(2,47)	1:43:A:LYS:CA	1:43:B:LYS:CA	2	0.68
(2,47)	1:43:A:LYS:CA	1:43:B:LYS:CA	4	0.68
(2,47)	1:43:C:LYS:CA	1:43:D:LYS:CA	6	0.68
(2,47)	1:43:D:LYS:CA	1:43:E:LYS:CA	9	0.68
(2,46)	1:43:C:LYS:C	1:43:D:LYS:C	1	0.68
(2,46)	1:43:D:LYS:C	1:43:E:LYS:C	4	0.68
(2,46)	1:43:D:LYS:C	1:43:E:LYS:C	6	0.68
(2,46)	1:43:A:LYS:C	1:43:B:LYS:C	8	0.68
(2,46)	1:43:C:LYS:C	1:43:D:LYS:C	9	0.68
(2,45)	1:43:D:LYS:N	1:43:E:LYS:N	1	0.68
(2,45)	1:43:B:LYS:N	1:43:C:LYS:N	2	0.68
(2,45)	1:43:D:LYS:N	1:43:E:LYS:N	4	0.68
(2,45)	1:43:D:LYS:N	1:43:E:LYS:N	6	0.68
(2,45)	1:43:A:LYS:N	1:43:B:LYS:N	8	0.68
(2,45)	1:43:C:LYS:N	1:43:D:LYS:N	9	0.68
(2,44)	1:43:C:LYS:CA	1:43:D:LYS:CA	1	0.68
(2,44)	1:43:A:LYS:CA	1:43:B:LYS:CA	2	0.68
(2,44)	1:43:A:LYS:CA	1:43:B:LYS:CA	4	0.68
(2,44)	1:43:C:LYS:CA	1:43:D:LYS:CA	6	0.68
(2,44)	1:43:D:LYS:CA	1:43:E:LYS:CA	9	0.68
(2,43)	1:43:C:LYS:C	1:43:D:LYS:C	1	0.68
(2,43)	1:43:D:LYS:C	1:43:E:LYS:C	4	0.68
(2,43)	1:43:D:LYS:C	1:43:E:LYS:C	6	0.68
(2,43)	1:43:A:LYS:C	1:43:B:LYS:C	8	0.68
(2,43)	1:43:C:LYS:C	1:43:D:LYS:C	9	0.68
(2,42)	1:43:D:LYS:N	1:43:E:LYS:N	1	0.68
(2,42)	1:43:B:LYS:N	1:43:C:LYS:N	2	0.68
(2,42)	1:43:D:LYS:N	1:43:E:LYS:N	4	0.68
(2,42)	1:43:D:LYS:N	1:43:E:LYS:N	6	0.68
(2,42)	1:43:A:LYS:N	1:43:B:LYS:N	8	0.68
(2,42)	1:43:C:LYS:N	1:43:D:LYS:N	9	0.68
(2,41)	1:43:C:LYS:CA	1:43:D:LYS:CA	1	0.68
(2,41)	1:43:A:LYS:CA	1:43:B:LYS:CA	2	0.68
(2,41)	1:43:A:LYS:CA	1:43:B:LYS:CA	4	0.68
(2,41)	1:43:C:LYS:CA	1:43:D:LYS:CA	6	0.68
(2,41)	1:43:D:LYS:CA	1:43:E:LYS:CA	9	0.68
(2,40)	1:43:C:LYS:C	1:43:D:LYS:C	1	0.68
(2,40)	1:43:D:LYS:C	1:43:E:LYS:C	4	0.68
(2,40)	1:43:D:LYS:C	1:43:E:LYS:C	6	0.68
(2,40)	1:43:A:LYS:C	1:43:B:LYS:C	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,40)	1:43:C:LYS:C	1:43:D:LYS:C	9	0.68
(2,39)	1:43:D:LYS:N	1:43:E:LYS:N	1	0.68
(2,39)	1:43:B:LYS:N	1:43:C:LYS:N	2	0.68
(2,39)	1:43:D:LYS:N	1:43:E:LYS:N	4	0.68
(2,39)	1:43:D:LYS:N	1:43:E:LYS:N	6	0.68
(2,39)	1:43:A:LYS:N	1:43:B:LYS:N	8	0.68
(2,39)	1:43:C:LYS:N	1:43:D:LYS:N	9	0.68
(2,38)	1:43:C:LYS:CA	1:43:D:LYS:CA	1	0.68
(2,38)	1:43:A:LYS:CA	1:43:B:LYS:CA	2	0.68
(2,38)	1:43:A:LYS:CA	1:43:B:LYS:CA	4	0.68
(2,38)	1:43:C:LYS:CA	1:43:D:LYS:CA	6	0.68
(2,38)	1:43:D:LYS:CA	1:43:E:LYS:CA	9	0.68
(2,37)	1:43:C:LYS:C	1:43:D:LYS:C	1	0.68
(2,37)	1:43:D:LYS:C	1:43:E:LYS:C	4	0.68
(2,37)	1:43:D:LYS:C	1:43:E:LYS:C	6	0.68
(2,37)	1:43:A:LYS:C	1:43:B:LYS:C	8	0.68
(2,37)	1:43:C:LYS:C	1:43:D:LYS:C	9	0.68
(2,36)	1:41:B:GLY:N	1:41:C:GLY:N	1	0.68
(2,36)	1:41:A:GLY:N	1:41:B:GLY:N	2	0.68
(2,36)	1:41:D:GLY:N	1:41:E:GLY:N	4	0.68
(2,36)	1:41:A:GLY:N	1:41:B:GLY:N	6	0.68
(2,36)	1:41:B:GLY:N	1:41:C:GLY:N	9	0.68
(2,35)	1:41:B:GLY:CA	1:41:C:GLY:CA	1	0.68
(2,35)	1:41:B:GLY:CA	1:41:C:GLY:CA	2	0.68
(2,35)	1:41:C:GLY:CA	1:41:D:GLY:CA	4	0.68
(2,35)	1:41:C:GLY:CA	1:41:D:GLY:CA	6	0.68
(2,35)	1:41:C:GLY:CA	1:41:D:GLY:CA	8	0.68
(2,35)	1:41:C:GLY:CA	1:41:D:GLY:CA	9	0.68
(2,34)	1:41:C:GLY:C	1:41:D:GLY:C	1	0.68
(2,34)	1:41:B:GLY:C	1:41:C:GLY:C	4	0.68
(2,34)	1:41:C:GLY:C	1:41:D:GLY:C	6	0.68
(2,34)	1:41:A:GLY:C	1:41:B:GLY:C	8	0.68
(2,34)	1:41:C:GLY:C	1:41:D:GLY:C	9	0.68
(2,33)	1:41:B:GLY:N	1:41:C:GLY:N	1	0.68
(2,33)	1:41:A:GLY:N	1:41:B:GLY:N	2	0.68
(2,33)	1:41:D:GLY:N	1:41:E:GLY:N	4	0.68
(2,33)	1:41:A:GLY:N	1:41:B:GLY:N	6	0.68
(2,33)	1:41:B:GLY:N	1:41:C:GLY:N	9	0.68
(2,32)	1:41:B:GLY:CA	1:41:C:GLY:CA	1	0.68
(2,32)	1:41:B:GLY:CA	1:41:C:GLY:CA	2	0.68
(2,32)	1:41:C:GLY:CA	1:41:D:GLY:CA	4	0.68
(2,32)	1:41:C:GLY:CA	1:41:D:GLY:CA	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:41:C:GLY:CA	1:41:D:GLY:CA	8	0.68
(2,32)	1:41:C:GLY:CA	1:41:D:GLY:CA	9	0.68
(2,31)	1:41:C:GLY:C	1:41:D:GLY:C	1	0.68
(2,31)	1:41:B:GLY:C	1:41:C:GLY:C	4	0.68
(2,31)	1:41:C:GLY:C	1:41:D:GLY:C	6	0.68
(2,31)	1:41:A:GLY:C	1:41:B:GLY:C	8	0.68
(2,31)	1:41:C:GLY:C	1:41:D:GLY:C	9	0.68
(2,30)	1:41:B:GLY:N	1:41:C:GLY:N	1	0.68
(2,30)	1:41:A:GLY:N	1:41:B:GLY:N	2	0.68
(2,30)	1:41:D:GLY:N	1:41:E:GLY:N	4	0.68
(2,30)	1:41:A:GLY:N	1:41:B:GLY:N	6	0.68
(2,30)	1:41:B:GLY:N	1:41:C:GLY:N	9	0.68
(2,29)	1:41:B:GLY:CA	1:41:C:GLY:CA	1	0.68
(2,29)	1:41:B:GLY:CA	1:41:C:GLY:CA	2	0.68
(2,29)	1:41:C:GLY:CA	1:41:D:GLY:CA	4	0.68
(2,29)	1:41:C:GLY:CA	1:41:D:GLY:CA	6	0.68
(2,29)	1:41:C:GLY:CA	1:41:D:GLY:CA	8	0.68
(2,29)	1:41:C:GLY:CA	1:41:D:GLY:CA	9	0.68
(2,28)	1:41:C:GLY:C	1:41:D:GLY:C	1	0.68
(2,28)	1:41:B:GLY:C	1:41:C:GLY:C	4	0.68
(2,28)	1:41:C:GLY:C	1:41:D:GLY:C	6	0.68
(2,28)	1:41:A:GLY:C	1:41:B:GLY:C	8	0.68
(2,28)	1:41:C:GLY:C	1:41:D:GLY:C	9	0.68
(2,27)	1:41:B:GLY:N	1:41:C:GLY:N	1	0.68
(2,27)	1:41:A:GLY:N	1:41:B:GLY:N	2	0.68
(2,27)	1:41:D:GLY:N	1:41:E:GLY:N	4	0.68
(2,27)	1:41:A:GLY:N	1:41:B:GLY:N	6	0.68
(2,27)	1:41:B:GLY:N	1:41:C:GLY:N	9	0.68
(2,26)	1:41:B:GLY:CA	1:41:C:GLY:CA	1	0.68
(2,26)	1:41:B:GLY:CA	1:41:C:GLY:CA	2	0.68
(2,26)	1:41:C:GLY:CA	1:41:D:GLY:CA	4	0.68
(2,26)	1:41:C:GLY:CA	1:41:D:GLY:CA	6	0.68
(2,26)	1:41:C:GLY:CA	1:41:D:GLY:CA	8	0.68
(2,26)	1:41:C:GLY:CA	1:41:D:GLY:CA	9	0.68
(2,25)	1:41:C:GLY:C	1:41:D:GLY:C	1	0.68
(2,25)	1:41:B:GLY:C	1:41:C:GLY:C	4	0.68
(2,25)	1:41:C:GLY:C	1:41:D:GLY:C	6	0.68
(2,25)	1:41:A:GLY:C	1:41:B:GLY:C	8	0.68
(2,25)	1:41:C:GLY:C	1:41:D:GLY:C	9	0.68
(2,24)	1:40:A:VAL:N	1:40:B:VAL:N	1	0.68
(2,24)	1:40:D:VAL:N	1:40:E:VAL:N	4	0.68
(2,24)	1:40:A:VAL:N	1:40:B:VAL:N	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,24)	1:40:D:VAL:N	1:40:E:VAL:N	8	0.68
(2,24)	1:40:C:VAL:N	1:40:D:VAL:N	9	0.68
(2,23)	1:40:A:VAL:CA	1:40:B:VAL:CA	1	0.68
(2,23)	1:40:B:VAL:CA	1:40:C:VAL:CA	3	0.68
(2,23)	1:40:A:VAL:CA	1:40:B:VAL:CA	4	0.68
(2,23)	1:40:D:VAL:CA	1:40:E:VAL:CA	6	0.68
(2,23)	1:40:A:VAL:CA	1:40:B:VAL:CA	8	0.68
(2,23)	1:40:C:VAL:CA	1:40:D:VAL:CA	9	0.68
(2,22)	1:40:A:VAL:C	1:40:B:VAL:C	1	0.68
(2,22)	1:40:A:VAL:C	1:40:B:VAL:C	2	0.68
(2,22)	1:40:A:VAL:C	1:40:B:VAL:C	3	0.68
(2,22)	1:40:B:VAL:C	1:40:C:VAL:C	4	0.68
(2,22)	1:40:C:VAL:C	1:40:D:VAL:C	6	0.68
(2,22)	1:40:C:VAL:C	1:40:D:VAL:C	8	0.68
(2,22)	1:40:A:VAL:C	1:40:B:VAL:C	9	0.68
(2,21)	1:40:A:VAL:N	1:40:B:VAL:N	1	0.68
(2,21)	1:40:D:VAL:N	1:40:E:VAL:N	4	0.68
(2,21)	1:40:A:VAL:N	1:40:B:VAL:N	6	0.68
(2,21)	1:40:D:VAL:N	1:40:E:VAL:N	8	0.68
(2,21)	1:40:C:VAL:N	1:40:D:VAL:N	9	0.68
(2,20)	1:40:A:VAL:CA	1:40:B:VAL:CA	1	0.68
(2,20)	1:40:B:VAL:CA	1:40:C:VAL:CA	3	0.68
(2,20)	1:40:A:VAL:CA	1:40:B:VAL:CA	4	0.68
(2,20)	1:40:D:VAL:CA	1:40:E:VAL:CA	6	0.68
(2,20)	1:40:A:VAL:CA	1:40:B:VAL:CA	8	0.68
(2,20)	1:40:C:VAL:CA	1:40:D:VAL:CA	9	0.68
(2,19)	1:40:A:VAL:C	1:40:B:VAL:C	1	0.68
(2,19)	1:40:A:VAL:C	1:40:B:VAL:C	2	0.68
(2,19)	1:40:A:VAL:C	1:40:B:VAL:C	3	0.68
(2,19)	1:40:B:VAL:C	1:40:C:VAL:C	4	0.68
(2,19)	1:40:C:VAL:C	1:40:D:VAL:C	6	0.68
(2,19)	1:40:C:VAL:C	1:40:D:VAL:C	8	0.68
(2,19)	1:40:A:VAL:C	1:40:B:VAL:C	9	0.68
(2,18)	1:40:A:VAL:N	1:40:B:VAL:N	1	0.68
(2,18)	1:40:D:VAL:N	1:40:E:VAL:N	4	0.68
(2,18)	1:40:A:VAL:N	1:40:B:VAL:N	6	0.68
(2,18)	1:40:D:VAL:N	1:40:E:VAL:N	8	0.68
(2,18)	1:40:C:VAL:N	1:40:D:VAL:N	9	0.68
(2,17)	1:40:A:VAL:CA	1:40:B:VAL:CA	1	0.68
(2,17)	1:40:B:VAL:CA	1:40:C:VAL:CA	3	0.68
(2,17)	1:40:A:VAL:CA	1:40:B:VAL:CA	4	0.68
(2,17)	1:40:D:VAL:CA	1:40:E:VAL:CA	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:40:A:VAL:CA	1:40:B:VAL:CA	8	0.68
(2,17)	1:40:C:VAL:CA	1:40:D:VAL:CA	9	0.68
(2,16)	1:40:A:VAL:C	1:40:B:VAL:C	1	0.68
(2,16)	1:40:A:VAL:C	1:40:B:VAL:C	2	0.68
(2,16)	1:40:A:VAL:C	1:40:B:VAL:C	3	0.68
(2,16)	1:40:B:VAL:C	1:40:C:VAL:C	4	0.68
(2,16)	1:40:C:VAL:C	1:40:D:VAL:C	6	0.68
(2,16)	1:40:C:VAL:C	1:40:D:VAL:C	8	0.68
(2,16)	1:40:A:VAL:C	1:40:B:VAL:C	9	0.68
(2,15)	1:40:A:VAL:N	1:40:B:VAL:N	1	0.68
(2,15)	1:40:D:VAL:N	1:40:E:VAL:N	4	0.68
(2,15)	1:40:A:VAL:N	1:40:B:VAL:N	6	0.68
(2,15)	1:40:D:VAL:N	1:40:E:VAL:N	8	0.68
(2,15)	1:40:C:VAL:N	1:40:D:VAL:N	9	0.68
(2,14)	1:40:A:VAL:CA	1:40:B:VAL:CA	1	0.68
(2,14)	1:40:B:VAL:CA	1:40:C:VAL:CA	3	0.68
(2,14)	1:40:A:VAL:CA	1:40:B:VAL:CA	4	0.68
(2,14)	1:40:D:VAL:CA	1:40:E:VAL:CA	6	0.68
(2,14)	1:40:A:VAL:CA	1:40:B:VAL:CA	8	0.68
(2,14)	1:40:C:VAL:CA	1:40:D:VAL:CA	9	0.68
(2,13)	1:40:A:VAL:C	1:40:B:VAL:C	1	0.68
(2,13)	1:40:A:VAL:C	1:40:B:VAL:C	2	0.68
(2,13)	1:40:A:VAL:C	1:40:B:VAL:C	3	0.68
(2,13)	1:40:B:VAL:C	1:40:C:VAL:C	4	0.68
(2,13)	1:40:C:VAL:C	1:40:D:VAL:C	6	0.68
(2,13)	1:40:C:VAL:C	1:40:D:VAL:C	8	0.68
(2,13)	1:40:A:VAL:C	1:40:B:VAL:C	9	0.68
(2,12)	1:39:A:TYR:N	1:39:B:TYR:N	1	0.68
(2,12)	1:39:B:TYR:N	1:39:C:TYR:N	2	0.68
(2,12)	1:39:A:TYR:N	1:39:B:TYR:N	4	0.68
(2,12)	1:39:D:TYR:N	1:39:E:TYR:N	6	0.68
(2,12)	1:39:D:TYR:N	1:39:E:TYR:N	9	0.68
(2,11)	1:39:D:TYR:CA	1:39:E:TYR:CA	1	0.68
(2,11)	1:39:D:TYR:CA	1:39:E:TYR:CA	4	0.68
(2,11)	1:39:A:TYR:CA	1:39:B:TYR:CA	6	0.68
(2,11)	1:39:C:TYR:CA	1:39:D:TYR:CA	9	0.68
(2,10)	1:39:C:TYR:C	1:39:D:TYR:C	1	0.68
(2,10)	1:39:B:TYR:C	1:39:C:TYR:C	4	0.68
(2,10)	1:39:C:TYR:C	1:39:D:TYR:C	6	0.68
(2,10)	1:39:C:TYR:C	1:39:D:TYR:C	8	0.68
(2,10)	1:39:C:TYR:C	1:39:D:TYR:C	9	0.68
(2,9)	1:39:A:TYR:N	1:39:B:TYR:N	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,9)	1:39:B:TYR:N	1:39:C:TYR:N	2	0.68
(2,9)	1:39:A:TYR:N	1:39:B:TYR:N	4	0.68
(2,9)	1:39:D:TYR:N	1:39:E:TYR:N	6	0.68
(2,9)	1:39:D:TYR:N	1:39:E:TYR:N	9	0.68
(2,8)	1:39:D:TYR:CA	1:39:E:TYR:CA	1	0.68
(2,8)	1:39:D:TYR:CA	1:39:E:TYR:CA	4	0.68
(2,8)	1:39:A:TYR:CA	1:39:B:TYR:CA	6	0.68
(2,8)	1:39:C:TYR:CA	1:39:D:TYR:CA	9	0.68
(2,7)	1:39:C:TYR:C	1:39:D:TYR:C	1	0.68
(2,7)	1:39:B:TYR:C	1:39:C:TYR:C	4	0.68
(2,7)	1:39:C:TYR:C	1:39:D:TYR:C	6	0.68
(2,7)	1:39:C:TYR:C	1:39:D:TYR:C	8	0.68
(2,7)	1:39:C:TYR:C	1:39:D:TYR:C	9	0.68
(2,6)	1:39:A:TYR:N	1:39:B:TYR:N	1	0.68
(2,6)	1:39:B:TYR:N	1:39:C:TYR:N	2	0.68
(2,6)	1:39:A:TYR:N	1:39:B:TYR:N	4	0.68
(2,6)	1:39:D:TYR:N	1:39:E:TYR:N	6	0.68
(2,6)	1:39:D:TYR:N	1:39:E:TYR:N	9	0.68
(2,5)	1:39:D:TYR:CA	1:39:E:TYR:CA	1	0.68
(2,5)	1:39:D:TYR:CA	1:39:E:TYR:CA	4	0.68
(2,5)	1:39:A:TYR:CA	1:39:B:TYR:CA	6	0.68
(2,5)	1:39:C:TYR:CA	1:39:D:TYR:CA	9	0.68
(2,4)	1:39:C:TYR:C	1:39:D:TYR:C	1	0.68
(2,4)	1:39:B:TYR:C	1:39:C:TYR:C	4	0.68
(2,4)	1:39:C:TYR:C	1:39:D:TYR:C	6	0.68
(2,4)	1:39:C:TYR:C	1:39:D:TYR:C	8	0.68
(2,4)	1:39:C:TYR:C	1:39:D:TYR:C	9	0.68
(2,3)	1:39:A:TYR:N	1:39:B:TYR:N	1	0.68
(2,3)	1:39:B:TYR:N	1:39:C:TYR:N	2	0.68
(2,3)	1:39:A:TYR:N	1:39:B:TYR:N	4	0.68
(2,3)	1:39:D:TYR:N	1:39:E:TYR:N	6	0.68
(2,3)	1:39:D:TYR:N	1:39:E:TYR:N	9	0.68
(2,2)	1:39:D:TYR:CA	1:39:E:TYR:CA	1	0.68
(2,2)	1:39:D:TYR:CA	1:39:E:TYR:CA	4	0.68
(2,2)	1:39:A:TYR:CA	1:39:B:TYR:CA	6	0.68
(2,2)	1:39:C:TYR:CA	1:39:D:TYR:CA	9	0.68
(2,1)	1:39:C:TYR:C	1:39:D:TYR:C	1	0.68
(2,1)	1:39:B:TYR:C	1:39:C:TYR:C	4	0.68
(2,1)	1:39:C:TYR:C	1:39:D:TYR:C	6	0.68
(2,1)	1:39:C:TYR:C	1:39:D:TYR:C	8	0.68
(2,1)	1:39:C:TYR:C	1:39:D:TYR:C	9	0.68
(1,4356)	1:95:C:VAL:CG1	1:98:C:ASP:CB	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4206)	1:80:C:LYS:CG	1:82:C:VAL:CG2	10	0.68
(1,3750)	1:79:A:GLN:CD	1:80:A:LYS:CG	5	0.68
(1,3505)	1:47:C:GLY:CA	1:49:C:VAL:CG2	1	0.68
(1,3458)	1:79:B:GLN:CA	1:80:B:LYS:C	10	0.68
(1,3421)	1:33:D:THR:CA	1:36:D:GLY:C	9	0.68
(1,3120)	1:78:A:ALA:CB	1:75:A:THR:CA	1	0.68
(1,2905)	1:93:C:GLY:CA	1:96:C:LYS:CA	6	0.68
(1,2754)	1:96:C:LYS:CE	1:98:C:ASP:CA	6	0.68
(1,2745)	1:80:B:LYS:C	1:79:B:GLN:CA	10	0.68
(1,2620)	1:49:C:VAL:CG2	1:47:C:GLY:CA	1	0.68
(1,2610)	1:49:C:VAL:CG2	1:47:C:GLY:CA	1	0.68
(1,2404)	1:96:E:LYS:CA	1:97:E:LYS:CE	6	0.68
(1,2049)	1:80:A:LYS:CG	1:79:A:GLN:CD	5	0.68
(1,1338)	1:82:B:VAL:CG1	1:94:B:PHE:CZ	1	0.68
(1,1326)	1:79:B:GLN:CA	1:80:B:LYS:C	10	0.68
(1,1221)	1:49:C:VAL:CG2	1:47:C:GLY:CA	1	0.68
(1,1021)	1:79:A:GLN:CD	1:80:A:LYS:CG	5	0.68
(1,971)	1:47:C:GLY:CA	1:49:C:VAL:CG2	1	0.68
(1,417)	1:79:A:GLN:CD	1:80:A:LYS:CG	5	0.68
(1,4206)	1:80:E:LYS:CG	1:82:E:VAL:CG2	6	0.67
(1,3505)	1:47:D:GLY:CA	1:49:D:VAL:CG2	2	0.67
(1,2620)	1:49:D:VAL:CG2	1:47:D:GLY:CA	2	0.67
(1,2610)	1:49:D:VAL:CG2	1:47:D:GLY:CA	2	0.67
(1,2572)	1:96:C:LYS:CA	1:86:D:GLY:CA	9	0.67
(1,1221)	1:49:D:VAL:CG2	1:47:D:GLY:CA	2	0.67
(1,971)	1:47:D:GLY:CA	1:49:D:VAL:CG2	2	0.67
(1,667)	1:82:B:VAL:CG2	1:81:B:THR:CB	4	0.67
(1,4084)	1:76:C:ALA:CA	1:79:C:GLN:CB	7	0.66
(1,4000)	1:48:C:VAL:CG2	1:79:D:GLN:CG	8	0.66
(1,3813)	1:82:D:VAL:CG1	1:88:D:ILE:CG1	5	0.66
(1,3754)	1:81:D:THR:C	1:80:D:LYS:CG	9	0.66
(1,3248)	1:88:E:ILE:C	1:81:E:THR:CB	7	0.66
(1,2877)	1:95:D:VAL:CG1	1:96:D:LYS:CA	4	0.66
(1,2450)	1:88:D:ILE:CG1	1:82:D:VAL:CG1	5	0.66
(1,1530)	1:75:C:THR:CA	1:74:C:VAL:CG1	5	0.66
(1,1359)	1:82:A:VAL:CG1	1:88:A:ILE:CG2	3	0.66
(1,628)	1:93:D:GLY:CA	1:94:D:PHE:CZ	8	0.66
(1,4183)	1:58:C:LYS:C	1:55:C:VAL:CG1	5	0.65
(1,3458)	1:79:A:GLN:CA	1:80:A:LYS:C	6	0.65
(1,2793)	1:88:A:ILE:C	1:83:B:GLU:CA	2	0.65
(1,2745)	1:80:A:LYS:C	1:79:A:GLN:CA	6	0.65
(1,2291)	1:41:A:GLY:C	1:39:A:TYR:CE2	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2283)	1:79:C:GLN:C	1:79:C:GLN:CD	4	0.65
(1,1811)	1:44:A:THR:CA	1:39:A:TYR:CG	5	0.65
(1,1359)	1:82:D:VAL:CG1	1:88:D:ILE:CG2	1	0.65
(1,1326)	1:79:A:GLN:CA	1:80:A:LYS:C	6	0.65
(1,4186)	1:73:D:GLY:CA	1:74:D:VAL:CB	9	0.64
(1,4181)	1:79:E:GLN:CD	1:46:E:GLU:CG	4	0.64
(1,4114)	1:58:B:LYS:CG	1:61:B:GLU:CB	1	0.64
(1,3754)	1:81:D:THR:C	1:80:D:LYS:CG	3	0.64
(1,3754)	1:81:E:THR:C	1:80:E:LYS:CG	5	0.64
(1,3505)	1:47:D:GLY:CA	1:49:D:VAL:CG2	4	0.64
(1,3505)	1:47:B:GLY:CA	1:49:B:VAL:CG2	5	0.64
(1,3458)	1:79:A:GLN:CA	1:80:A:LYS:C	1	0.64
(1,3380)	1:47:B:GLY:C	1:77:C:VAL:C	8	0.64
(1,3174)	1:71:B:VAL:CG2	1:92:A:THR:CB	1	0.64
(1,3003)	1:49:D:VAL:CG2	1:48:D:VAL:CA	9	0.64
(1,2941)	1:42:A:SER:CA	1:45:A:LYS:CA	10	0.64
(1,2905)	1:93:C:GLY:CA	1:96:C:LYS:CA	7	0.64
(1,2745)	1:80:A:LYS:C	1:79:A:GLN:CA	1	0.64
(1,2620)	1:49:D:VAL:CG2	1:47:D:GLY:CA	4	0.64
(1,2620)	1:49:B:VAL:CG2	1:47:B:GLY:CA	5	0.64
(1,2613)	1:77:E:VAL:CG1	1:47:D:GLY:CA	2	0.64
(1,2613)	1:77:C:VAL:CG1	1:47:B:GLY:CA	8	0.64
(1,2610)	1:49:D:VAL:CG2	1:47:D:GLY:CA	4	0.64
(1,2610)	1:49:B:VAL:CG2	1:47:B:GLY:CA	5	0.64
(1,2497)	1:74:D:VAL:CB	1:73:D:GLY:CA	9	0.64
(1,2476)	1:74:D:VAL:CB	1:73:D:GLY:CA	9	0.64
(1,1989)	1:43:E:LYS:CE	1:39:E:TYR:CB	3	0.64
(1,1982)	1:73:D:GLY:CA	1:74:D:VAL:CB	9	0.64
(1,1976)	1:93:A:GLY:CA	1:94:A:PHE:CD2	8	0.64
(1,1663)	1:61:B:GLU:CB	1:58:B:LYS:CG	1	0.64
(1,1651)	1:74:D:VAL:CB	1:73:D:GLY:CA	9	0.64
(1,1359)	1:82:C:VAL:CG1	1:88:C:ILE:CG2	10	0.64
(1,1326)	1:79:A:GLN:CA	1:80:A:LYS:C	1	0.64
(1,1221)	1:49:D:VAL:CG2	1:47:D:GLY:CA	4	0.64
(1,1221)	1:49:B:VAL:CG2	1:47:B:GLY:CA	5	0.64
(1,971)	1:47:D:GLY:CA	1:49:D:VAL:CG2	4	0.64
(1,971)	1:47:B:GLY:CA	1:49:B:VAL:CG2	5	0.64
(1,629)	1:93:A:GLY:CA	1:94:A:PHE:CD2	8	0.64
(1,3754)	1:81:D:THR:C	1:80:D:LYS:CG	1	0.63
(1,3754)	1:81:B:THR:C	1:80:B:LYS:CG	4	0.63
(1,3750)	1:79:C:GLN:CD	1:80:C:LYS:CG	3	0.63
(1,3750)	1:79:D:GLN:CD	1:80:D:LYS:CG	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3346)	1:72:A:THR:CB	1:64:A:THR:C	3	0.63
(1,3248)	1:88:D:ILE:C	1:81:D:THR:CB	5	0.63
(1,3089)	1:88:D:ILE:CA	1:81:D:THR:CA	9	0.63
(1,3066)	1:89:D:ALA:CB	1:77:D:VAL:CA	3	0.63
(1,2941)	1:42:B:SER:CA	1:45:B:LYS:CA	5	0.63
(1,2413)	1:81:B:THR:CG2	1:80:B:LYS:CE	10	0.63
(1,2049)	1:80:C:LYS:CG	1:79:C:GLN:CD	3	0.63
(1,2049)	1:80:D:LYS:CG	1:79:D:GLN:CD	6	0.63
(1,1989)	1:43:E:LYS:CE	1:39:E:TYR:CB	2	0.63
(1,1797)	1:59:C:THR:CG2	1:60:C:LYS:CG	10	0.63
(1,1021)	1:79:C:GLN:CD	1:80:C:LYS:CG	3	0.63
(1,1021)	1:79:D:GLN:CD	1:80:D:LYS:CG	6	0.63
(1,417)	1:79:C:GLN:CD	1:80:C:LYS:CG	3	0.63
(1,417)	1:79:D:GLN:CD	1:80:D:LYS:CG	6	0.63
(1,4200)	1:96:C:LYS:CA	1:97:C:LYS:CB	6	0.62
(1,4114)	1:58:C:LYS:CG	1:61:C:GLU:CB	4	0.62
(1,3637)	1:77:C:VAL:C	1:48:B:VAL:CG1	6	0.62
(1,3505)	1:47:B:GLY:CA	1:49:B:VAL:CG2	10	0.62
(1,2941)	1:42:E:SER:CA	1:45:E:LYS:CA	4	0.62
(1,2620)	1:49:B:VAL:CG2	1:47:B:GLY:CA	10	0.62
(1,2610)	1:49:B:VAL:CG2	1:47:B:GLY:CA	10	0.62
(1,2572)	1:96:D:LYS:CA	1:86:E:GLY:CA	2	0.62
(1,2404)	1:96:E:LYS:CA	1:97:E:LYS:CE	9	0.62
(1,2283)	1:79:A:GLN:C	1:79:A:GLN:CD	1	0.62
(1,1797)	1:59:D:THR:CG2	1:60:D:LYS:CG	4	0.62
(1,1663)	1:61:C:GLU:CB	1:58:C:LYS:CG	4	0.62
(1,1629)	1:58:B:LYS:CE	1:61:B:GLU:CG	6	0.62
(1,1530)	1:75:A:THR:CA	1:74:A:VAL:CG1	10	0.62
(1,1347)	1:68:B:GLY:CA	1:93:B:GLY:C	1	0.62
(1,1293)	1:94:D:PHE:CA	1:94:D:PHE:CE2	3	0.62
(1,1293)	1:94:E:PHE:CA	1:94:E:PHE:CE2	6	0.62
(1,1221)	1:49:B:VAL:CG2	1:47:B:GLY:CA	10	0.62
(1,971)	1:47:B:GLY:CA	1:49:B:VAL:CG2	10	0.62
(3,14)	1:92:A:THR:CB	1:74:A:VAL:CG2	10	0.61
(1,4321)	1:96:B:LYS:CD	1:95:B:VAL:CG1	2	0.61
(1,4146)	1:80:C:LYS:CB	1:82:C:VAL:CB	8	0.61
(1,3813)	1:82:D:VAL:CG1	1:88:D:ILE:CG1	2	0.61
(1,3612)	1:67:C:GLY:CA	1:70:C:VAL:CG2	3	0.61
(1,3300)	1:54:B:THR:C	1:51:B:GLY:C	8	0.61
(1,3174)	1:71:D:VAL:CG1	1:92:C:THR:CB	10	0.61
(1,3120)	1:78:D:ALA:CB	1:75:D:THR:CA	6	0.61
(1,2941)	1:42:B:SER:CA	1:45:B:LYS:CA	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:48:C:VAL:CG2	1:47:C:GLY:CA	2	0.61
(1,2543)	1:70:C:VAL:CG2	1:67:C:GLY:CA	3	0.61
(1,2450)	1:88:D:ILE:CG1	1:82:D:VAL:CG1	2	0.61
(1,2349)	1:77:B:VAL:CG1	1:88:A:ILE:CB	4	0.61
(1,1530)	1:75:C:THR:CA	1:74:C:VAL:CG1	7	0.61
(1,988)	1:67:C:GLY:CA	1:70:C:VAL:CG2	3	0.61
(1,911)	1:74:A:VAL:CG1	1:75:A:THR:C	7	0.61
(1,4186)	1:73:D:GLY:CA	1:74:D:VAL:CB	8	0.6
(1,4186)	1:73:A:GLY:CA	1:74:A:VAL:CB	10	0.6
(1,4114)	1:58:D:LYS:CG	1:61:D:GLU:CB	7	0.6
(1,4114)	1:58:A:LYS:CG	1:61:A:GLU:CB	8	0.6
(1,4114)	1:58:E:LYS:CG	1:61:E:GLU:CB	9	0.6
(1,3709)	1:45:A:LYS:CA	1:43:A:LYS:CG	1	0.6
(1,3458)	1:79:A:GLN:CA	1:80:A:LYS:C	4	0.6
(1,3458)	1:79:C:GLN:CA	1:80:C:LYS:C	5	0.6
(1,3458)	1:79:A:GLN:CA	1:80:A:LYS:C	8	0.6
(1,2745)	1:80:A:LYS:C	1:79:A:GLN:CA	4	0.6
(1,2745)	1:80:C:LYS:C	1:79:C:GLN:CA	5	0.6
(1,2745)	1:80:A:LYS:C	1:79:A:GLN:CA	8	0.6
(1,2497)	1:74:D:VAL:CB	1:73:D:GLY:CA	8	0.6
(1,2497)	1:74:A:VAL:CB	1:73:A:GLY:CA	10	0.6
(1,2476)	1:74:D:VAL:CB	1:73:D:GLY:CA	8	0.6
(1,2476)	1:74:A:VAL:CB	1:73:A:GLY:CA	10	0.6
(1,2243)	1:86:B:GLY:C	1:85:B:ALA:CA	2	0.6
(1,1982)	1:73:D:GLY:CA	1:74:D:VAL:CB	8	0.6
(1,1982)	1:73:A:GLY:CA	1:74:A:VAL:CB	10	0.6
(1,1663)	1:61:D:GLU:CB	1:58:D:LYS:CG	7	0.6
(1,1663)	1:61:A:GLU:CB	1:58:A:LYS:CG	8	0.6
(1,1663)	1:61:E:GLU:CB	1:58:E:LYS:CG	9	0.6
(1,1651)	1:74:D:VAL:CB	1:73:D:GLY:CA	8	0.6
(1,1651)	1:74:A:VAL:CB	1:73:A:GLY:CA	10	0.6
(1,1627)	1:70:E:VAL:CA	1:94:D:PHE:CA	10	0.6
(1,1326)	1:79:A:GLN:CA	1:80:A:LYS:C	4	0.6
(1,1326)	1:79:C:GLN:CA	1:80:C:LYS:C	5	0.6
(1,1326)	1:79:A:GLN:CA	1:80:A:LYS:C	8	0.6
(1,1293)	1:94:B:PHE:CA	1:94:B:PHE:CE2	1	0.6
(1,793)	1:77:D:VAL:CA	1:75:D:THR:CA	1	0.6
(3,25)	1:44:C:THR:CA	1:39:C:TYR:CZ	7	0.59
(1,4186)	1:73:A:GLY:CA	1:74:A:VAL:CB	1	0.59
(1,4186)	1:73:D:GLY:CA	1:74:D:VAL:CB	2	0.59
(1,4186)	1:73:A:GLY:CA	1:74:A:VAL:CB	3	0.59
(1,4186)	1:73:D:GLY:CA	1:74:D:VAL:CB	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4114)	1:58:E:LYS:CG	1:61:E:GLU:CB	3	0.59
(1,3575)	1:45:A:LYS:CE	1:46:A:GLU:CD	2	0.59
(1,3458)	1:79:E:GLN:CA	1:80:E:LYS:C	2	0.59
(1,3458)	1:79:E:GLN:CA	1:80:E:LYS:C	3	0.59
(1,3458)	1:79:C:GLN:CA	1:80:C:LYS:C	9	0.59
(1,3300)	1:54:D:THR:C	1:51:D:GLY:C	7	0.59
(1,3174)	1:71:C:VAL:CG2	1:92:B:THR:CB	8	0.59
(1,2745)	1:80:E:LYS:C	1:79:E:GLN:CA	2	0.59
(1,2745)	1:80:E:LYS:C	1:79:E:GLN:CA	3	0.59
(1,2745)	1:80:C:LYS:C	1:79:C:GLN:CA	9	0.59
(1,2497)	1:74:A:VAL:CB	1:73:A:GLY:CA	1	0.59
(1,2497)	1:74:D:VAL:CB	1:73:D:GLY:CA	2	0.59
(1,2497)	1:74:A:VAL:CB	1:73:A:GLY:CA	3	0.59
(1,2497)	1:74:D:VAL:CB	1:73:D:GLY:CA	4	0.59
(1,2482)	1:74:C:VAL:CG2	1:73:C:GLY:CA	10	0.59
(1,2479)	1:74:C:VAL:CG2	1:73:C:GLY:CA	10	0.59
(1,2476)	1:74:A:VAL:CB	1:73:A:GLY:CA	1	0.59
(1,2476)	1:74:D:VAL:CB	1:73:D:GLY:CA	2	0.59
(1,2476)	1:74:A:VAL:CB	1:73:A:GLY:CA	3	0.59
(1,2476)	1:74:D:VAL:CB	1:73:D:GLY:CA	4	0.59
(1,2473)	1:74:C:VAL:CG2	1:73:C:GLY:CA	10	0.59
(1,2423)	1:48:A:VAL:CG2	1:45:A:LYS:CE	5	0.59
(1,2349)	1:77:C:VAL:CG1	1:88:B:ILE:CB	7	0.59
(1,1982)	1:73:A:GLY:CA	1:74:A:VAL:CB	1	0.59
(1,1982)	1:73:D:GLY:CA	1:74:D:VAL:CB	2	0.59
(1,1982)	1:73:A:GLY:CA	1:74:A:VAL:CB	3	0.59
(1,1982)	1:73:D:GLY:CA	1:74:D:VAL:CB	4	0.59
(1,1663)	1:61:E:GLU:CB	1:58:E:LYS:CG	3	0.59
(1,1651)	1:74:A:VAL:CB	1:73:A:GLY:CA	1	0.59
(1,1651)	1:74:D:VAL:CB	1:73:D:GLY:CA	2	0.59
(1,1651)	1:74:A:VAL:CB	1:73:A:GLY:CA	3	0.59
(1,1651)	1:74:D:VAL:CB	1:73:D:GLY:CA	4	0.59
(1,1359)	1:82:B:VAL:CG1	1:88:B:ILE:CG2	2	0.59
(1,1326)	1:79:E:GLN:CA	1:80:E:LYS:C	2	0.59
(1,1326)	1:79:E:GLN:CA	1:80:E:LYS:C	3	0.59
(1,1326)	1:79:C:GLN:CA	1:80:C:LYS:C	9	0.59
(1,1293)	1:94:C:PHE:CA	1:94:C:PHE:CE2	7	0.59
(1,4344)	1:80:C:LYS:CB	1:48:B:VAL:CB	8	0.58
(1,4186)	1:73:B:GLY:CA	1:74:B:VAL:CB	5	0.58
(1,4186)	1:73:C:GLY:CA	1:74:C:VAL:CB	6	0.58
(1,4146)	1:80:C:LYS:CB	1:82:C:VAL:CB	2	0.58
(1,4146)	1:80:D:LYS:CB	1:82:D:VAL:CB	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4114)	1:58:C:LYS:CG	1:61:C:GLU:CB	5	0.58
(1,3754)	1:81:A:THR:C	1:80:A:LYS:CG	6	0.58
(1,3646)	1:80:C:LYS:C	1:48:B:VAL:CG2	9	0.58
(1,3543)	1:42:C:SER:CA	1:37:C:VAL:C	3	0.58
(1,3543)	1:42:B:SER:CA	1:37:B:VAL:C	4	0.58
(1,3505)	1:47:A:GLY:CA	1:49:A:VAL:CG2	8	0.58
(1,3380)	1:47:D:GLY:C	1:77:D:VAL:C	10	0.58
(1,2905)	1:93:B:GLY:CA	1:96:B:LYS:CA	3	0.58
(1,2828)	1:88:C:ILE:CA	1:94:C:PHE:CA	4	0.58
(1,2620)	1:49:A:VAL:CG2	1:47:A:GLY:CA	8	0.58
(1,2610)	1:49:A:VAL:CG2	1:47:A:GLY:CA	8	0.58
(1,2497)	1:74:B:VAL:CB	1:73:B:GLY:CA	5	0.58
(1,2497)	1:74:C:VAL:CB	1:73:C:GLY:CA	6	0.58
(1,2476)	1:74:B:VAL:CB	1:73:B:GLY:CA	5	0.58
(1,2476)	1:74:C:VAL:CB	1:73:C:GLY:CA	6	0.58
(1,2283)	1:79:B:GLN:C	1:79:B:GLN:CD	10	0.58
(1,1982)	1:73:B:GLY:CA	1:74:B:VAL:CB	5	0.58
(1,1982)	1:73:C:GLY:CA	1:74:C:VAL:CB	6	0.58
(1,1663)	1:61:C:GLU:CB	1:58:C:LYS:CG	5	0.58
(1,1651)	1:74:B:VAL:CB	1:73:B:GLY:CA	5	0.58
(1,1651)	1:74:C:VAL:CB	1:73:C:GLY:CA	6	0.58
(1,1293)	1:94:C:PHE:CA	1:94:C:PHE:CE2	10	0.58
(1,1221)	1:49:A:VAL:CG2	1:47:A:GLY:CA	8	0.58
(1,971)	1:47:A:GLY:CA	1:49:A:VAL:CG2	8	0.58
(1,708)	1:45:C:LYS:CA	1:43:C:LYS:C	8	0.58
(1,4356)	1:95:C:VAL:CG1	1:98:C:ASP:CB	9	0.57
(1,3390)	1:96:B:LYS:CD	1:96:B:LYS:C	3	0.57
(1,3248)	1:88:A:ILE:C	1:81:B:THR:CB	2	0.57
(1,3198)	1:77:E:VAL:CA	1:75:E:THR:CB	6	0.57
(1,3197)	1:74:A:VAL:CA	1:75:A:THR:CB	1	0.57
(1,3089)	1:88:A:ILE:CA	1:81:A:THR:CA	7	0.57
(1,3086)	1:80:C:LYS:CB	1:81:C:THR:CA	6	0.57
(1,3081)	1:89:A:ALA:C	1:77:B:VAL:CA	4	0.57
(1,2890)	1:90:B:ALA:C	1:89:B:ALA:CA	8	0.57
(1,2409)	1:47:A:GLY:C	1:45:A:LYS:CE	9	0.57
(1,2243)	1:86:B:GLY:C	1:85:B:ALA:CA	3	0.57
(1,2243)	1:86:E:GLY:C	1:85:E:ALA:CA	4	0.57
(1,1972)	1:93:A:GLY:CA	1:88:A:ILE:CD1	2	0.57
(1,1972)	1:93:E:GLY:CA	1:88:E:ILE:CD1	9	0.57
(1,1114)	1:59:B:THR:CA	1:57:B:GLU:CG	3	0.57
(1,834)	1:77:E:VAL:CA	1:75:E:THR:CB	6	0.57
(1,667)	1:82:A:VAL:CG2	1:81:A:THR:CB	9	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,14)	1:92:A:THR:CB	1:74:B:VAL:CG2	3	0.56
(1,4255)	1:73:C:GLY:CA	1:70:C:VAL:CB	7	0.56
(1,4236)	1:73:C:GLY:CA	1:70:C:VAL:CB	7	0.56
(1,4200)	1:96:A:LYS:CA	1:97:A:LYS:CB	8	0.56
(1,3197)	1:74:D:VAL:CA	1:75:D:THR:CB	3	0.56
(1,2890)	1:90:A:ALA:C	1:89:A:ALA:CA	7	0.56
(1,2890)	1:90:A:ALA:C	1:89:A:ALA:CA	10	0.56
(1,2793)	1:88:A:ILE:C	1:83:A:GLU:CA	3	0.56
(1,2243)	1:86:A:GLY:C	1:85:A:ALA:CA	9	0.56
(1,1811)	1:44:E:THR:CA	1:39:E:TYR:CG	7	0.56
(1,1627)	1:70:B:VAL:CA	1:94:A:PHE:CA	7	0.56
(1,963)	1:45:A:LYS:CA	1:46:A:GLU:CD	8	0.56
(1,707)	1:45:A:LYS:CA	1:46:A:GLU:CD	8	0.56
(1,541)	1:74:B:VAL:CB	1:75:B:THR:CB	1	0.56
(1,4200)	1:96:A:LYS:CA	1:97:A:LYS:CB	1	0.55
(1,4200)	1:96:E:LYS:CA	1:97:E:LYS:CB	3	0.55
(1,4200)	1:96:B:LYS:CA	1:97:B:LYS:CB	5	0.55
(1,4200)	1:96:C:LYS:CA	1:97:C:LYS:CB	7	0.55
(1,4186)	1:73:E:GLY:CA	1:74:E:VAL:CB	7	0.55
(1,4181)	1:79:C:GLN:CD	1:46:B:GLU:CG	1	0.55
(1,3754)	1:81:C:THR:C	1:80:C:LYS:CG	10	0.55
(1,3390)	1:96:E:LYS:CD	1:96:E:LYS:C	4	0.55
(1,3390)	1:96:D:LYS:CD	1:96:D:LYS:C	8	0.55
(1,3390)	1:96:C:LYS:CD	1:96:C:LYS:C	9	0.55
(1,3286)	1:70:C:VAL:CG2	1:93:C:GLY:C	4	0.55
(1,3269)	1:96:B:LYS:C	1:94:B:PHE:CD1	5	0.55
(1,3248)	1:88:E:ILE:C	1:81:E:THR:CB	10	0.55
(1,3198)	1:77:A:VAL:CA	1:75:A:THR:CB	1	0.55
(1,3198)	1:77:B:VAL:CA	1:75:B:THR:CB	3	0.55
(1,3197)	1:74:A:VAL:CA	1:75:A:THR:CB	2	0.55
(1,3197)	1:74:A:VAL:CA	1:75:A:THR:CB	6	0.55
(1,3197)	1:74:A:VAL:CA	1:75:A:THR:CB	8	0.55
(1,3086)	1:80:D:LYS:CB	1:81:D:THR:CA	4	0.55
(1,3066)	1:89:B:ALA:CB	1:77:C:VAL:CA	6	0.55
(1,2890)	1:90:D:ALA:C	1:89:D:ALA:CA	2	0.55
(1,2890)	1:90:A:ALA:C	1:89:A:ALA:CA	6	0.55
(1,2613)	1:77:B:VAL:CG1	1:47:A:GLY:CA	7	0.55
(1,2613)	1:77:B:VAL:CG1	1:47:A:GLY:CA	9	0.55
(1,2497)	1:74:E:VAL:CB	1:73:E:GLY:CA	7	0.55
(1,2482)	1:74:D:VAL:CG2	1:73:D:GLY:CA	4	0.55
(1,2479)	1:74:D:VAL:CG2	1:73:D:GLY:CA	4	0.55
(1,2476)	1:74:E:VAL:CB	1:73:E:GLY:CA	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2473)	1:74:D:VAL:CG2	1:73:D:GLY:CA	4	0.55
(1,2243)	1:86:C:GLY:C	1:85:C:ALA:CA	1	0.55
(1,2243)	1:86:B:GLY:C	1:85:B:ALA:CA	5	0.55
(1,2168)	1:97:E:LYS:C	1:94:E:PHE:CZ	6	0.55
(1,1982)	1:73:E:GLY:CA	1:74:E:VAL:CB	7	0.55
(1,1651)	1:74:E:VAL:CB	1:73:E:GLY:CA	7	0.55
(1,1359)	1:82:A:VAL:CG1	1:88:A:ILE:CG2	6	0.55
(1,834)	1:77:A:VAL:CA	1:75:A:THR:CB	1	0.55
(1,834)	1:77:B:VAL:CA	1:75:B:THR:CB	3	0.55
(1,667)	1:82:D:VAL:CG2	1:81:D:THR:CB	5	0.55
(1,4321)	1:96:D:LYS:CD	1:95:D:VAL:CG1	9	0.54
(1,4000)	1:48:B:VAL:CG2	1:79:C:GLN:CG	4	0.54
(1,3709)	1:45:A:LYS:CA	1:43:A:LYS:CG	2	0.54
(1,3696)	1:94:A:PHE:CD1	1:97:A:LYS:CG	8	0.54
(1,3198)	1:77:B:VAL:CA	1:75:B:THR:CB	8	0.54
(1,3197)	1:74:B:VAL:CA	1:75:B:THR:CB	9	0.54
(1,3066)	1:89:D:ALA:CB	1:77:D:VAL:CA	2	0.54
(1,2793)	1:88:E:ILE:C	1:83:E:GLU:CA	5	0.54
(1,2482)	1:74:A:VAL:CG2	1:73:A:GLY:CA	1	0.54
(1,2482)	1:74:D:VAL:CG2	1:73:D:GLY:CA	9	0.54
(1,2479)	1:74:A:VAL:CG2	1:73:A:GLY:CA	1	0.54
(1,2479)	1:74:D:VAL:CG2	1:73:D:GLY:CA	9	0.54
(1,2473)	1:74:A:VAL:CG2	1:73:A:GLY:CA	1	0.54
(1,2473)	1:74:D:VAL:CG2	1:73:D:GLY:CA	9	0.54
(1,2452)	1:66:A:VAL:CA	1:65:A:ASN:CB	9	0.54
(1,2243)	1:86:D:GLY:C	1:85:D:ALA:CA	10	0.54
(1,1087)	1:70:B:VAL:CG2	1:66:B:VAL:CB	4	0.54
(1,834)	1:77:B:VAL:CA	1:75:B:THR:CB	8	0.54
(1,667)	1:82:A:VAL:CG2	1:81:A:THR:CB	1	0.54
(1,667)	1:82:B:VAL:CG2	1:81:B:THR:CB	3	0.54
(1,541)	1:74:E:VAL:CB	1:75:E:THR:CB	2	0.54
(1,541)	1:74:D:VAL:CB	1:75:D:THR:CB	3	0.54
(1,541)	1:74:B:VAL:CB	1:75:B:THR:CB	6	0.54
(1,541)	1:74:C:VAL:CB	1:75:C:THR:CB	8	0.54
(1,541)	1:74:B:VAL:CB	1:75:B:THR:CB	9	0.54
(1,4200)	1:96:B:LYS:CA	1:97:B:LYS:CB	9	0.53
(1,3696)	1:94:A:PHE:CD2	1:97:A:LYS:CG	7	0.53
(1,3562)	1:61:E:GLU:CB	1:62:E:GLN:CD	5	0.53
(1,3552)	1:83:C:GLU:CB	1:85:C:ALA:C	5	0.53
(1,3120)	1:78:D:ALA:CB	1:75:D:THR:CA	3	0.53
(1,3120)	1:78:C:ALA:CB	1:75:C:THR:CA	8	0.53
(1,3081)	1:89:E:ALA:C	1:77:E:VAL:CA	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2890)	1:90:E:ALA:C	1:89:E:ALA:CA	9	0.53
(1,2383)	1:85:B:ALA:CB	1:96:A:LYS:CE	5	0.53
(1,2334)	1:44:A:THR:C	1:46:A:GLU:CB	1	0.53
(1,2243)	1:86:D:GLY:C	1:85:D:ALA:CA	6	0.53
(1,1823)	1:66:A:VAL:CG2	1:65:A:ASN:CA	6	0.53
(1,667)	1:82:E:VAL:CG2	1:81:E:THR:CB	2	0.53
(1,4000)	1:48:D:VAL:CG2	1:79:E:GLN:CG	5	0.52
(1,3696)	1:94:B:PHE:CD2	1:97:B:LYS:CG	10	0.52
(1,3681)	1:48:A:VAL:CG2	1:78:B:ALA:CB	9	0.52
(1,3637)	1:77:E:VAL:C	1:48:D:VAL:CG1	5	0.52
(1,3562)	1:61:A:GLU:CB	1:62:A:GLN:CD	7	0.52
(1,3552)	1:83:A:GLU:CB	1:85:A:ALA:C	4	0.52
(1,3198)	1:77:E:VAL:CA	1:75:E:THR:CB	2	0.52
(1,3197)	1:74:A:VAL:CA	1:75:A:THR:CB	4	0.52
(1,3086)	1:80:A:LYS:CB	1:81:A:THR:CA	1	0.52
(1,3086)	1:80:D:LYS:CB	1:81:D:THR:CA	5	0.52
(1,3086)	1:80:A:LYS:CB	1:81:A:THR:CA	8	0.52
(1,3086)	1:80:D:LYS:CB	1:81:D:THR:CA	9	0.52
(1,3086)	1:80:A:LYS:CB	1:81:A:THR:CA	10	0.52
(1,2905)	1:93:B:GLY:CA	1:96:B:LYS:CA	1	0.52
(1,2905)	1:93:C:GLY:CA	1:96:C:LYS:CA	10	0.52
(1,2877)	1:95:D:VAL:CG1	1:96:D:LYS:CA	10	0.52
(1,2383)	1:85:D:ALA:CB	1:96:D:LYS:CE	7	0.52
(1,2243)	1:86:B:GLY:C	1:85:B:ALA:CA	7	0.52
(1,2243)	1:86:B:GLY:C	1:85:B:ALA:CA	8	0.52
(1,834)	1:77:E:VAL:CA	1:75:E:THR:CB	2	0.52
(1,541)	1:74:B:VAL:CB	1:75:B:THR:CB	4	0.52
(1,4181)	1:79:B:GLN:CD	1:46:A:GLU:CG	9	0.51
(1,4146)	1:80:B:LYS:CB	1:82:B:VAL:CB	6	0.51
(1,3706)	1:86:D:GLY:C	1:96:D:LYS:CG	6	0.51
(1,3706)	1:86:B:GLY:C	1:96:B:LYS:CG	7	0.51
(1,3706)	1:86:B:GLY:C	1:96:B:LYS:CG	9	0.51
(1,3552)	1:83:B:GLU:CB	1:85:B:ALA:C	3	0.51
(1,3409)	1:78:B:ALA:CB	1:49:A:VAL:C	8	0.51
(1,3380)	1:47:B:GLY:C	1:77:C:VAL:C	2	0.51
(1,3198)	1:77:D:VAL:CA	1:75:D:THR:CB	9	0.51
(1,3089)	1:88:C:ILE:CA	1:81:C:THR:CA	3	0.51
(1,3086)	1:80:B:LYS:CB	1:81:B:THR:CA	3	0.51
(1,2890)	1:90:B:ALA:C	1:89:B:ALA:CA	3	0.51
(1,2890)	1:90:A:ALA:C	1:89:A:ALA:CA	5	0.51
(1,2572)	1:96:B:LYS:CA	1:86:C:GLY:CA	5	0.51
(1,2482)	1:74:C:VAL:CG2	1:73:C:GLY:CA	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2479)	1:74:C:VAL:CG2	1:73:C:GLY:CA	2	0.51
(1,2473)	1:74:C:VAL:CG2	1:73:C:GLY:CA	2	0.51
(1,1823)	1:66:A:VAL:CG2	1:65:A:ASN:CA	7	0.51
(1,1462)	1:43:D:LYS:CE	1:41:D:GLY:CA	8	0.51
(1,1359)	1:82:C:VAL:CG1	1:88:C:ILE:CG2	5	0.51
(1,1338)	1:82:A:VAL:CG1	1:94:A:PHE:CZ	3	0.51
(1,834)	1:77:D:VAL:CA	1:75:D:THR:CB	9	0.51
(1,4146)	1:80:A:LYS:CB	1:82:A:VAL:CB	1	0.5
(1,3706)	1:86:B:GLY:C	1:96:B:LYS:CG	3	0.5
(1,3637)	1:77:C:VAL:C	1:48:B:VAL:CG1	4	0.5
(1,3458)	1:79:E:GLN:CA	1:80:E:LYS:C	7	0.5
(1,2745)	1:80:E:LYS:C	1:79:E:GLN:CA	7	0.5
(1,2622)	1:48:B:VAL:CG2	1:47:B:GLY:CA	4	0.5
(1,2584)	1:69:B:ALA:CB	1:93:A:GLY:CA	3	0.5
(1,2579)	1:69:B:ALA:CB	1:93:A:GLY:CA	3	0.5
(1,2572)	1:96:C:LYS:CA	1:86:C:GLY:CA	7	0.5
(1,2452)	1:66:A:VAL:CA	1:65:A:ASN:CB	1	0.5
(1,2423)	1:48:B:VAL:CG2	1:45:B:LYS:CE	4	0.5
(1,2423)	1:48:C:VAL:CG2	1:45:C:LYS:CE	8	0.5
(1,2283)	1:79:A:GLN:C	1:79:A:GLN:CD	9	0.5
(1,1797)	1:59:A:THR:CG2	1:60:A:LYS:CG	7	0.5
(1,1326)	1:79:E:GLN:CA	1:80:E:LYS:C	7	0.5
(1,667)	1:82:D:VAL:CG2	1:81:D:THR:CB	8	0.5
(1,667)	1:82:D:VAL:CG2	1:81:D:THR:CB	10	0.5
(1,4146)	1:80:D:LYS:CB	1:82:D:VAL:CB	9	0.49
(1,3841)	1:82:D:VAL:CB	1:88:D:ILE:CG1	3	0.49
(1,3706)	1:86:D:GLY:C	1:96:D:LYS:CG	5	0.49
(1,3696)	1:94:E:PHE:CD2	1:97:E:LYS:CG	3	0.49
(1,3681)	1:48:D:VAL:CG2	1:78:E:ALA:CB	2	0.49
(1,3562)	1:61:D:GLU:CB	1:62:D:GLN:CD	3	0.49
(1,3562)	1:61:E:GLU:CB	1:62:E:GLN:CD	4	0.49
(1,3526)	1:43:D:LYS:CE	1:40:D:VAL:C	8	0.49
(1,3511)	1:43:D:LYS:CE	1:40:D:VAL:C	8	0.49
(1,3444)	1:90:E:ALA:CA	1:91:E:ALA:C	4	0.49
(1,3444)	1:90:A:ALA:CA	1:91:A:ALA:C	10	0.49
(1,2572)	1:96:D:LYS:CA	1:86:D:GLY:CA	8	0.49
(1,2452)	1:66:E:VAL:CA	1:65:E:ASN:CB	4	0.49
(1,2452)	1:66:E:VAL:CA	1:65:E:ASN:CB	10	0.49
(1,2440)	1:40:D:VAL:C	1:43:D:LYS:CE	8	0.49
(1,2059)	1:34:D:LYS:CA	1:37:D:VAL:C	4	0.49
(1,1797)	1:59:C:THR:CG2	1:60:C:LYS:CG	8	0.49
(1,1797)	1:59:B:THR:CG2	1:60:B:LYS:CG	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:80:D:LYS:CE	1:79:D:GLN:CA	7	0.49
(1,1114)	1:59:D:THR:CA	1:57:D:GLU:CG	5	0.49
(1,667)	1:82:E:VAL:CG2	1:81:E:THR:CB	6	0.49
(3,14)	1:92:A:THR:CB	1:74:B:VAL:CG2	5	0.48
(1,4183)	1:58:C:LYS:C	1:55:C:VAL:CG1	3	0.48
(1,4146)	1:80:B:LYS:CB	1:82:B:VAL:CB	3	0.48
(1,4146)	1:80:E:LYS:CB	1:82:E:VAL:CB	5	0.48
(1,3444)	1:90:E:ALA:CA	1:91:E:ALA:C	1	0.48
(1,3444)	1:90:D:ALA:CA	1:91:D:ALA:C	3	0.48
(1,3409)	1:78:A:ALA:CB	1:49:A:VAL:C	10	0.48
(1,3198)	1:77:C:VAL:CA	1:75:C:THR:CB	4	0.48
(1,2877)	1:95:A:VAL:CG1	1:96:A:LYS:CA	1	0.48
(1,2622)	1:48:C:VAL:CG2	1:47:C:GLY:CA	5	0.48
(1,2423)	1:48:D:VAL:CG2	1:45:D:LYS:CE	3	0.48
(1,1871)	1:88:B:ILE:CD1	1:82:B:VAL:CG1	3	0.48
(1,1797)	1:59:E:THR:CG2	1:60:E:LYS:CG	5	0.48
(1,1561)	1:92:E:THR:CB	1:94:E:PHE:CZ	7	0.48
(1,1293)	1:94:E:PHE:CA	1:94:E:PHE:CE1	8	0.48
(1,1087)	1:70:D:VAL:CG2	1:66:D:VAL:CB	2	0.48
(1,834)	1:77:C:VAL:CA	1:75:C:THR:CB	4	0.48
(3,14)	1:92:C:THR:CB	1:74:D:VAL:CG2	1	0.47
(1,4002)	1:44:E:THR:CG2	1:43:E:LYS:CD	3	0.47
(1,4000)	1:48:D:VAL:CG2	1:79:E:GLN:CG	9	0.47
(1,3590)	1:59:C:THR:C	1:57:C:GLU:CD	3	0.47
(1,3424)	1:57:C:GLU:CD	1:59:C:THR:C	3	0.47
(1,3346)	1:72:E:THR:CB	1:64:E:THR:C	8	0.47
(1,3120)	1:78:E:ALA:CB	1:75:E:THR:CA	5	0.47
(1,3104)	1:81:B:THR:CB	1:82:B:VAL:CA	6	0.47
(1,3104)	1:81:D:THR:CB	1:82:D:VAL:CA	10	0.47
(1,3086)	1:80:C:LYS:CB	1:81:C:THR:CA	2	0.47
(1,3003)	1:49:A:VAL:CG2	1:48:A:VAL:CA	1	0.47
(1,2905)	1:93:E:GLY:CA	1:96:E:LYS:CA	5	0.47
(1,2890)	1:90:D:ALA:C	1:89:D:ALA:CA	4	0.47
(1,2653)	1:93:A:GLY:CA	1:91:A:ALA:CA	8	0.47
(1,2482)	1:74:B:VAL:CG2	1:73:B:GLY:CA	5	0.47
(1,2479)	1:74:B:VAL:CG2	1:73:B:GLY:CA	5	0.47
(1,2473)	1:74:B:VAL:CG2	1:73:B:GLY:CA	5	0.47
(1,2452)	1:66:A:VAL:CA	1:65:A:ASN:CB	6	0.47
(1,2334)	1:44:E:THR:C	1:46:E:GLU:CB	9	0.47
(1,2059)	1:34:D:LYS:CA	1:37:D:VAL:C	2	0.47
(1,1973)	1:93:A:GLY:CA	1:91:A:ALA:CA	8	0.47
(1,1908)	1:82:B:VAL:CA	1:81:B:THR:CB	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1908)	1:82:D:VAL:CA	1:81:D:THR:CB	10	0.47
(1,1232)	1:93:A:GLY:CA	1:91:A:ALA:CA	8	0.47
(1,1214)	1:91:A:ALA:CA	1:93:A:GLY:CA	8	0.47
(1,1087)	1:70:A:VAL:CG2	1:66:A:VAL:CB	5	0.47
(1,667)	1:82:D:VAL:CG2	1:81:D:THR:CB	7	0.47
(1,4181)	1:79:B:GLN:CD	1:46:B:GLU:CG	10	0.46
(1,4146)	1:80:B:LYS:CB	1:82:B:VAL:CB	10	0.46
(1,4096)	1:49:C:VAL:CG1	1:74:D:VAL:CG1	2	0.46
(1,4002)	1:44:B:THR:CG2	1:43:B:LYS:CD	9	0.46
(1,3543)	1:42:A:SER:CA	1:37:A:VAL:C	2	0.46
(1,3444)	1:90:B:ALA:CA	1:91:B:ALA:C	5	0.46
(1,3444)	1:90:C:ALA:CA	1:91:C:ALA:C	6	0.46
(1,3421)	1:33:D:THR:CA	1:36:D:GLY:C	5	0.46
(1,3390)	1:96:D:LYS:CD	1:96:D:LYS:C	10	0.46
(1,3248)	1:88:C:ILE:C	1:81:C:THR:CB	1	0.46
(1,3104)	1:81:E:THR:CB	1:82:E:VAL:CA	1	0.46
(1,3104)	1:81:B:THR:CB	1:82:B:VAL:CA	8	0.46
(1,2572)	1:96:C:LYS:CA	1:86:C:GLY:CA	10	0.46
(1,2482)	1:74:B:VAL:CG2	1:73:B:GLY:CA	3	0.46
(1,2479)	1:74:B:VAL:CG2	1:73:B:GLY:CA	3	0.46
(1,2473)	1:74:B:VAL:CG2	1:73:B:GLY:CA	3	0.46
(1,2452)	1:66:C:VAL:CA	1:65:C:ASN:CB	3	0.46
(1,2452)	1:66:A:VAL:CA	1:65:A:ASN:CB	8	0.46
(1,1989)	1:43:D:LYS:CE	1:39:D:TYR:CB	4	0.46
(1,1972)	1:93:B:GLY:CA	1:88:B:ILE:CD1	4	0.46
(1,1908)	1:82:E:VAL:CA	1:81:E:THR:CB	1	0.46
(1,1908)	1:82:B:VAL:CA	1:81:B:THR:CB	8	0.46
(1,1829)	1:63:E:VAL:CG2	1:73:E:GLY:CA	1	0.46
(1,1797)	1:59:D:THR:CG2	1:60:D:LYS:CG	6	0.46
(1,1561)	1:92:D:THR:CB	1:94:D:PHE:CZ	4	0.46
(1,4255)	1:73:B:GLY:CA	1:70:B:VAL:CB	6	0.45
(1,4236)	1:73:B:GLY:CA	1:70:B:VAL:CB	6	0.45
(1,4002)	1:44:B:THR:CG2	1:43:B:LYS:CD	2	0.45
(1,3877)	1:91:A:ALA:CA	1:89:A:ALA:CB	6	0.45
(1,3750)	1:79:A:GLN:CD	1:80:A:LYS:CG	1	0.45
(1,3750)	1:79:C:GLN:CD	1:80:C:LYS:CG	10	0.45
(1,3709)	1:45:A:LYS:CA	1:43:A:LYS:CG	9	0.45
(1,3706)	1:86:B:GLY:C	1:96:B:LYS:CG	8	0.45
(1,3248)	1:88:C:ILE:C	1:81:C:THR:CB	4	0.45
(1,3221)	1:53:C:ALA:CA	1:54:C:THR:CB	8	0.45
(1,3104)	1:81:D:THR:CB	1:82:D:VAL:CA	3	0.45
(1,3104)	1:81:D:THR:CB	1:82:D:VAL:CA	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3104)	1:81:D:THR:CB	1:82:D:VAL:CA	9	0.45
(1,3003)	1:49:A:VAL:CG2	1:48:A:VAL:CA	4	0.45
(1,2828)	1:88:B:ILE:CA	1:94:B:PHE:CA	9	0.45
(1,2674)	1:54:C:THR:CB	1:53:C:ALA:CA	8	0.45
(1,2662)	1:89:A:ALA:CB	1:91:A:ALA:CA	6	0.45
(1,2641)	1:89:A:ALA:CB	1:91:A:ALA:CA	6	0.45
(1,2452)	1:66:E:VAL:CA	1:65:E:ASN:CB	7	0.45
(1,2424)	1:40:D:VAL:CA	1:43:D:LYS:CE	3	0.45
(1,2423)	1:48:C:VAL:CG2	1:45:C:LYS:CE	1	0.45
(1,2334)	1:44:A:THR:C	1:46:A:GLU:CB	5	0.45
(1,2291)	1:41:C:GLY:C	1:39:C:TYR:CE2	6	0.45
(1,2049)	1:80:A:LYS:CG	1:79:A:GLN:CD	1	0.45
(1,2049)	1:80:C:LYS:CG	1:79:C:GLN:CD	10	0.45
(1,2039)	1:79:C:GLN:CG	1:82:C:VAL:CB	7	0.45
(1,1972)	1:93:A:GLY:CA	1:88:B:ILE:CD1	5	0.45
(1,1958)	1:90:E:ALA:CA	1:88:E:ILE:CB	4	0.45
(1,1908)	1:82:D:VAL:CA	1:81:D:THR:CB	3	0.45
(1,1908)	1:82:D:VAL:CA	1:81:D:THR:CB	5	0.45
(1,1908)	1:82:D:VAL:CA	1:81:D:THR:CB	9	0.45
(1,1871)	1:88:B:ILE:CD1	1:82:B:VAL:CG1	7	0.45
(1,1797)	1:59:A:THR:CG2	1:60:A:LYS:CG	1	0.45
(1,1591)	1:53:C:ALA:CA	1:54:C:THR:CB	8	0.45
(1,1437)	1:89:A:ALA:CB	1:91:A:ALA:CA	6	0.45
(1,1021)	1:79:A:GLN:CD	1:80:A:LYS:CG	1	0.45
(1,1021)	1:79:C:GLN:CD	1:80:C:LYS:CG	10	0.45
(1,655)	1:90:E:ALA:CA	1:88:E:ILE:CB	4	0.45
(1,510)	1:79:C:GLN:CG	1:82:C:VAL:CB	7	0.45
(1,417)	1:79:A:GLN:CD	1:80:A:LYS:CG	1	0.45
(1,417)	1:79:C:GLN:CD	1:80:C:LYS:CG	10	0.45
(3,14)	1:92:D:THR:CB	1:74:E:VAL:CG2	9	0.44
(1,4160)	1:42:A:SER:CA	1:40:A:VAL:CB	2	0.44
(1,3877)	1:91:B:ALA:CA	1:89:B:ALA:CB	2	0.44
(1,3877)	1:91:E:ALA:CA	1:89:E:ALA:CB	9	0.44
(1,3841)	1:82:B:VAL:CB	1:88:B:ILE:CG1	7	0.44
(1,3841)	1:82:B:VAL:CB	1:88:B:ILE:CG1	9	0.44
(1,3750)	1:79:A:GLN:CD	1:80:A:LYS:CG	7	0.44
(1,3709)	1:45:A:LYS:CA	1:43:A:LYS:CG	3	0.44
(1,3702)	1:95:A:VAL:CG1	1:97:A:LYS:CG	7	0.44
(1,3562)	1:61:B:GLU:CB	1:62:B:GLN:CD	8	0.44
(1,3444)	1:90:B:ALA:CA	1:91:B:ALA:C	8	0.44
(1,3390)	1:96:E:LYS:CD	1:96:E:LYS:C	1	0.44
(1,3248)	1:88:C:ILE:C	1:81:C:THR:CB	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3221)	1:53:D:ALA:CA	1:54:D:THR:CB	1	0.44
(1,3120)	1:78:E:ALA:CB	1:75:E:THR:CA	2	0.44
(1,3120)	1:78:C:ALA:CB	1:75:C:THR:CA	4	0.44
(1,3104)	1:81:C:THR:CB	1:82:C:VAL:CA	4	0.44
(1,3003)	1:49:A:VAL:CG2	1:48:A:VAL:CA	5	0.44
(1,3003)	1:49:D:VAL:CG2	1:48:D:VAL:CA	6	0.44
(1,2674)	1:54:D:THR:CB	1:53:D:ALA:CA	1	0.44
(1,2662)	1:89:B:ALA:CB	1:91:B:ALA:CA	2	0.44
(1,2662)	1:89:E:ALA:CB	1:91:E:ALA:CA	9	0.44
(1,2641)	1:89:B:ALA:CB	1:91:B:ALA:CA	2	0.44
(1,2641)	1:89:E:ALA:CB	1:91:E:ALA:CA	9	0.44
(1,2452)	1:66:B:VAL:CA	1:65:B:ASN:CB	2	0.44
(1,2424)	1:40:E:VAL:CA	1:43:E:LYS:CE	1	0.44
(1,2349)	1:77:B:VAL:CG1	1:88:B:ILE:CB	10	0.44
(1,2049)	1:80:A:LYS:CG	1:79:A:GLN:CD	7	0.44
(1,1958)	1:90:D:ALA:CA	1:88:D:ILE:CB	6	0.44
(1,1908)	1:82:C:VAL:CA	1:81:C:THR:CB	4	0.44
(1,1797)	1:59:E:THR:CG2	1:60:E:LYS:CG	3	0.44
(1,1629)	1:58:C:LYS:CE	1:61:C:GLU:CG	1	0.44
(1,1591)	1:53:D:ALA:CA	1:54:D:THR:CB	1	0.44
(1,1437)	1:89:B:ALA:CB	1:91:B:ALA:CA	2	0.44
(1,1437)	1:89:E:ALA:CB	1:91:E:ALA:CA	9	0.44
(1,1359)	1:82:E:VAL:CG1	1:88:D:ILE:CG2	8	0.44
(1,1021)	1:79:A:GLN:CD	1:80:A:LYS:CG	7	0.44
(1,655)	1:90:D:ALA:CA	1:88:D:ILE:CB	6	0.44
(1,417)	1:79:A:GLN:CD	1:80:A:LYS:CG	7	0.44
(1,414)	1:40:B:VAL:C	1:37:B:VAL:CB	3	0.44
(3,14)	1:92:E:THR:CB	1:74:E:VAL:CG2	6	0.43
(1,4312)	1:77:D:VAL:C	1:48:C:VAL:CB	2	0.43
(1,4191)	1:58:B:LYS:CD	1:61:B:GLU:CG	3	0.43
(1,4114)	1:58:A:LYS:CG	1:61:A:GLU:CB	6	0.43
(1,4082)	1:77:A:VAL:C	1:79:A:GLN:CB	9	0.43
(1,4067)	1:77:A:VAL:C	1:79:A:GLN:CB	9	0.43
(1,3877)	1:91:A:ALA:CA	1:89:A:ALA:CB	5	0.43
(1,3702)	1:95:D:VAL:CG1	1:97:D:LYS:CG	1	0.43
(1,3562)	1:61:A:GLU:CB	1:62:A:GLN:CD	9	0.43
(1,3552)	1:83:D:GLU:CB	1:85:D:ALA:C	10	0.43
(1,3505)	1:47:D:GLY:CA	1:49:D:VAL:CG2	9	0.43
(1,3363)	1:79:A:GLN:CB	1:77:A:VAL:C	9	0.43
(1,3221)	1:53:B:ALA:CA	1:54:B:THR:CB	2	0.43
(1,3221)	1:53:A:ALA:CA	1:54:A:THR:CB	3	0.43
(1,3221)	1:53:D:ALA:CA	1:54:D:THR:CB	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3221)	1:53:E:ALA:CA	1:54:E:THR:CB	5	0.43
(1,3221)	1:53:A:ALA:CA	1:54:A:THR:CB	7	0.43
(1,3221)	1:53:C:ALA:CA	1:54:C:THR:CB	9	0.43
(1,3003)	1:49:A:VAL:CG2	1:48:A:VAL:CA	3	0.43
(1,2877)	1:95:C:VAL:CG1	1:96:C:LYS:CA	7	0.43
(1,2828)	1:88:D:ILE:CA	1:94:D:PHE:CA	5	0.43
(1,2674)	1:54:B:THR:CB	1:53:B:ALA:CA	2	0.43
(1,2674)	1:54:A:THR:CB	1:53:A:ALA:CA	3	0.43
(1,2674)	1:54:D:THR:CB	1:53:D:ALA:CA	4	0.43
(1,2674)	1:54:E:THR:CB	1:53:E:ALA:CA	5	0.43
(1,2674)	1:54:A:THR:CB	1:53:A:ALA:CA	7	0.43
(1,2674)	1:54:C:THR:CB	1:53:C:ALA:CA	9	0.43
(1,2662)	1:89:A:ALA:CB	1:91:A:ALA:CA	5	0.43
(1,2641)	1:89:A:ALA:CB	1:91:A:ALA:CA	5	0.43
(1,2622)	1:48:B:VAL:CG2	1:47:B:GLY:CA	3	0.43
(1,2620)	1:49:D:VAL:CG2	1:47:D:GLY:CA	9	0.43
(1,2610)	1:49:D:VAL:CG2	1:47:D:GLY:CA	9	0.43
(1,1958)	1:90:A:ALA:CA	1:88:A:ILE:CB	10	0.43
(1,1693)	1:80:C:LYS:CD	1:46:B:GLU:CG	8	0.43
(1,1681)	1:79:A:GLN:CB	1:77:A:VAL:C	9	0.43
(1,1663)	1:61:A:GLU:CB	1:58:A:LYS:CG	6	0.43
(1,1653)	1:46:B:GLU:CG	1:80:C:LYS:CD	8	0.43
(1,1591)	1:53:B:ALA:CA	1:54:B:THR:CB	2	0.43
(1,1591)	1:53:A:ALA:CA	1:54:A:THR:CB	3	0.43
(1,1591)	1:53:D:ALA:CA	1:54:D:THR:CB	4	0.43
(1,1591)	1:53:E:ALA:CA	1:54:E:THR:CB	5	0.43
(1,1591)	1:53:A:ALA:CA	1:54:A:THR:CB	7	0.43
(1,1591)	1:53:C:ALA:CA	1:54:C:THR:CB	9	0.43
(1,1561)	1:92:A:THR:CB	1:94:A:PHE:CZ	2	0.43
(1,1510)	1:58:B:LYS:CD	1:61:B:GLU:CG	3	0.43
(1,1437)	1:89:A:ALA:CB	1:91:A:ALA:CA	5	0.43
(1,1221)	1:49:D:VAL:CG2	1:47:D:GLY:CA	9	0.43
(1,971)	1:47:D:GLY:CA	1:49:D:VAL:CG2	9	0.43
(1,764)	1:43:E:LYS:CE	1:44:E:THR:CA	1	0.43
(1,655)	1:90:A:ALA:CA	1:88:A:ILE:CB	10	0.43
(1,4255)	1:73:C:GLY:CA	1:70:C:VAL:CB	3	0.42
(1,4236)	1:73:C:GLY:CA	1:70:C:VAL:CB	3	0.42
(1,4178)	1:75:A:THR:CA	1:74:A:VAL:CB	9	0.42
(1,4002)	1:44:E:THR:CG2	1:43:E:LYS:CD	1	0.42
(1,3444)	1:90:C:ALA:CA	1:91:C:ALA:C	7	0.42
(1,3409)	1:78:B:ALA:CB	1:49:A:VAL:C	5	0.42
(1,3221)	1:53:C:ALA:CA	1:54:C:THR:CB	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3221)	1:53:A:ALA:CA	1:54:A:THR:CB	10	0.42
(1,3081)	1:89:A:ALA:C	1:77:B:VAL:CA	9	0.42
(1,3003)	1:49:C:VAL:CG2	1:48:C:VAL:CA	7	0.42
(1,2890)	1:90:D:ALA:C	1:89:D:ALA:CA	1	0.42
(1,2674)	1:54:C:THR:CB	1:53:C:ALA:CA	6	0.42
(1,2674)	1:54:A:THR:CB	1:53:A:ALA:CA	10	0.42
(1,2622)	1:48:E:VAL:CG2	1:47:E:GLY:CA	6	0.42
(1,2568)	1:82:A:VAL:CG1	1:86:A:GLY:CA	7	0.42
(1,2482)	1:74:C:VAL:CG2	1:73:C:GLY:CA	7	0.42
(1,2482)	1:74:A:VAL:CG2	1:73:A:GLY:CA	8	0.42
(1,2479)	1:74:C:VAL:CG2	1:73:C:GLY:CA	7	0.42
(1,2479)	1:74:A:VAL:CG2	1:73:A:GLY:CA	8	0.42
(1,2473)	1:74:C:VAL:CG2	1:73:C:GLY:CA	7	0.42
(1,2473)	1:74:A:VAL:CG2	1:73:A:GLY:CA	8	0.42
(1,2452)	1:66:B:VAL:CA	1:65:B:ASN:CB	5	0.42
(1,1958)	1:90:D:ALA:CA	1:88:D:ILE:CB	9	0.42
(1,1591)	1:53:C:ALA:CA	1:54:C:THR:CB	6	0.42
(1,1591)	1:53:A:ALA:CA	1:54:A:THR:CB	10	0.42
(1,1528)	1:75:A:THR:CA	1:74:A:VAL:CB	9	0.42
(1,1347)	1:68:A:GLY:CA	1:93:A:GLY:C	9	0.42
(1,1203)	1:82:A:VAL:CG1	1:86:A:GLY:CA	7	0.42
(1,764)	1:43:C:LYS:CE	1:44:C:THR:CA	2	0.42
(1,764)	1:43:E:LYS:CE	1:44:E:THR:CA	3	0.42
(1,719)	1:86:A:GLY:CA	1:82:A:VAL:CG1	7	0.42
(1,655)	1:90:D:ALA:CA	1:88:D:ILE:CB	9	0.42
(1,600)	1:74:A:VAL:CG1	1:75:A:THR:CB	6	0.42
(1,343)	1:75:A:THR:CB	1:74:A:VAL:CG1	6	0.42
(1,4312)	1:77:B:VAL:C	1:48:A:VAL:CB	9	0.41
(1,4255)	1:73:A:GLY:CA	1:70:A:VAL:CB	4	0.41
(1,4236)	1:73:A:GLY:CA	1:70:A:VAL:CB	4	0.41
(1,4178)	1:75:C:THR:CA	1:74:C:VAL:CB	2	0.41
(1,4178)	1:75:B:THR:CA	1:74:B:VAL:CB	4	0.41
(1,4000)	1:48:C:VAL:CG2	1:79:D:GLN:CG	7	0.41
(1,3985)	1:45:D:LYS:C	1:80:E:LYS:CD	8	0.41
(1,3562)	1:61:B:GLU:CB	1:62:B:GLN:CD	6	0.41
(1,3552)	1:83:B:GLU:CB	1:85:B:ALA:C	7	0.41
(1,3380)	1:47:B:GLY:C	1:77:C:VAL:C	6	0.41
(1,3341)	1:96:A:LYS:CA	1:68:B:GLY:C	5	0.41
(1,3291)	1:92:E:THR:CA	1:93:E:GLY:C	3	0.41
(1,3291)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.41
(1,3284)	1:92:E:THR:CA	1:93:E:GLY:C	3	0.41
(1,3284)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3104)	1:81:A:THR:CB	1:82:A:VAL:CA	2	0.41
(1,3095)	1:93:E:GLY:C	1:92:E:THR:CA	3	0.41
(1,3095)	1:93:A:GLY:C	1:92:A:THR:CA	10	0.41
(1,3058)	1:46:A:GLU:C	1:80:B:LYS:CA	8	0.41
(1,2877)	1:95:C:VAL:CG1	1:96:C:LYS:CA	6	0.41
(1,2793)	1:88:A:ILE:C	1:83:A:GLU:CA	7	0.41
(1,2584)	1:69:C:ALA:CB	1:93:B:GLY:CA	4	0.41
(1,2579)	1:69:C:ALA:CB	1:93:B:GLY:CA	4	0.41
(1,2424)	1:40:B:VAL:CA	1:43:B:LYS:CE	9	0.41
(1,2413)	1:81:C:THR:CG2	1:80:C:LYS:CE	4	0.41
(1,2334)	1:44:E:THR:C	1:46:E:GLU:CB	4	0.41
(1,1908)	1:82:A:VAL:CA	1:81:A:THR:CB	2	0.41
(1,1871)	1:88:C:ILE:CD1	1:82:C:VAL:CG1	9	0.41
(1,1829)	1:63:B:VAL:CG2	1:73:C:GLY:CA	6	0.41
(1,1823)	1:66:D:VAL:CG2	1:65:D:ASN:CA	5	0.41
(1,1823)	1:66:C:VAL:CG2	1:65:C:ASN:CA	10	0.41
(1,1528)	1:75:C:THR:CA	1:74:C:VAL:CB	2	0.41
(1,1528)	1:75:B:THR:CA	1:74:B:VAL:CB	4	0.41
(1,1445)	1:92:E:THR:CA	1:93:E:GLY:C	3	0.41
(1,1445)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.41
(1,1443)	1:92:E:THR:CA	1:93:E:GLY:C	3	0.41
(1,1443)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.41
(1,1304)	1:92:E:THR:CA	1:93:E:GLY:C	3	0.41
(1,1304)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.41
(1,1291)	1:92:B:THR:CB	1:94:B:PHE:CG	6	0.41
(1,891)	1:92:E:THR:CA	1:93:E:GLY:C	3	0.41
(1,891)	1:92:A:THR:CA	1:93:A:GLY:C	10	0.41
(1,764)	1:43:D:LYS:CE	1:44:D:THR:CA	9	0.41
(1,708)	1:45:A:LYS:CA	1:43:A:LYS:C	6	0.41
(1,600)	1:74:D:VAL:CG1	1:75:D:THR:CB	3	0.41
(1,600)	1:74:B:VAL:CG1	1:75:B:THR:CB	8	0.41
(1,600)	1:74:C:VAL:CG1	1:75:C:THR:CB	9	0.41
(1,577)	1:97:A:LYS:CE	1:95:A:VAL:C	2	0.41
(1,414)	1:40:C:VAL:C	1:37:C:VAL:CB	4	0.41
(1,343)	1:75:D:THR:CB	1:74:D:VAL:CG1	3	0.41
(1,343)	1:75:B:THR:CB	1:74:B:VAL:CG1	8	0.41
(1,343)	1:75:C:THR:CB	1:74:C:VAL:CG1	9	0.41
(1,4178)	1:75:D:THR:CA	1:74:D:VAL:CB	3	0.4
(1,4178)	1:75:C:THR:CA	1:74:C:VAL:CB	6	0.4
(1,4178)	1:75:C:THR:CA	1:74:C:VAL:CB	8	0.4
(1,4160)	1:42:D:SER:CA	1:40:D:VAL:CB	10	0.4
(1,3973)	1:46:C:GLU:CA	1:80:D:LYS:CD	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3877)	1:91:E:ALA:CA	1:89:E:ALA:CB	7	0.4
(1,3877)	1:91:C:ALA:CA	1:89:C:ALA:CB	8	0.4
(1,3706)	1:86:E:GLY:C	1:96:E:LYS:CG	2	0.4
(1,3696)	1:94:E:PHE:CD2	1:97:E:LYS:CG	1	0.4
(1,3409)	1:78:E:ALA:CB	1:49:D:VAL:C	2	0.4
(1,3409)	1:78:B:ALA:CB	1:49:A:VAL:C	7	0.4
(1,3307)	1:49:E:VAL:C	1:51:E:GLY:C	5	0.4
(1,3198)	1:77:A:VAL:CA	1:75:A:THR:CB	5	0.4
(1,3066)	1:89:D:ALA:CB	1:77:D:VAL:CA	10	0.4
(1,2690)	1:58:A:LYS:CD	1:56:A:ALA:CA	6	0.4
(1,2662)	1:89:E:ALA:CB	1:91:E:ALA:CA	7	0.4
(1,2662)	1:89:C:ALA:CB	1:91:C:ALA:CA	8	0.4
(1,2641)	1:89:E:ALA:CB	1:91:E:ALA:CA	7	0.4
(1,2641)	1:89:C:ALA:CB	1:91:C:ALA:CA	8	0.4
(1,2572)	1:96:B:LYS:CA	1:86:B:GLY:CA	6	0.4
(1,2349)	1:77:D:VAL:CG1	1:88:D:ILE:CB	9	0.4
(1,2161)	1:88:A:ILE:C	1:79:A:GLN:CG	3	0.4
(1,1958)	1:90:C:ALA:CA	1:88:C:ILE:CB	8	0.4
(1,1823)	1:66:E:VAL:CG2	1:65:E:ASN:CA	8	0.4
(1,1528)	1:75:D:THR:CA	1:74:D:VAL:CB	3	0.4
(1,1528)	1:75:C:THR:CA	1:74:C:VAL:CB	6	0.4
(1,1528)	1:75:C:THR:CA	1:74:C:VAL:CB	8	0.4
(1,1437)	1:89:E:ALA:CB	1:91:E:ALA:CA	7	0.4
(1,1437)	1:89:C:ALA:CB	1:91:C:ALA:CA	8	0.4
(1,1291)	1:92:B:THR:CB	1:94:B:PHE:CG	10	0.4
(1,834)	1:77:A:VAL:CA	1:75:A:THR:CB	5	0.4
(1,708)	1:45:D:LYS:CA	1:43:D:LYS:C	1	0.4
(1,655)	1:90:C:ALA:CA	1:88:C:ILE:CB	8	0.4
(1,600)	1:74:A:VAL:CG1	1:75:A:THR:CB	2	0.4
(1,600)	1:74:A:VAL:CG1	1:75:A:THR:CB	4	0.4
(1,343)	1:75:A:THR:CB	1:74:A:VAL:CG1	2	0.4
(1,343)	1:75:A:THR:CB	1:74:A:VAL:CG1	4	0.4
(1,4178)	1:75:B:THR:CA	1:74:B:VAL:CB	1	0.39
(1,4160)	1:42:A:SER:CA	1:40:A:VAL:CB	5	0.39
(1,4142)	1:80:A:LYS:C	1:82:A:VAL:CB	4	0.39
(1,4140)	1:80:A:LYS:C	1:82:A:VAL:CB	4	0.39
(1,4136)	1:80:A:LYS:C	1:82:A:VAL:CB	4	0.39
(1,3877)	1:91:D:ALA:CA	1:89:D:ALA:CB	4	0.39
(1,3750)	1:79:C:GLN:CD	1:80:C:LYS:CG	8	0.39
(1,3701)	1:96:C:LYS:CA	1:97:C:LYS:CG	2	0.39
(1,3695)	1:94:C:PHE:C	1:97:C:LYS:CG	5	0.39
(1,3695)	1:94:D:PHE:C	1:97:D:LYS:CG	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3590)	1:59:B:THR:C	1:57:B:GLU:CD	5	0.39
(1,3424)	1:57:B:GLU:CD	1:59:B:THR:C	5	0.39
(1,3390)	1:96:B:LYS:CD	1:96:B:LYS:C	5	0.39
(1,3380)	1:47:D:GLY:C	1:77:E:VAL:C	5	0.39
(1,3291)	1:92:D:THR:CA	1:93:D:GLY:C	1	0.39
(1,3291)	1:92:E:THR:CA	1:93:E:GLY:C	6	0.39
(1,3291)	1:92:C:THR:CA	1:93:C:GLY:C	7	0.39
(1,3284)	1:92:D:THR:CA	1:93:D:GLY:C	1	0.39
(1,3284)	1:92:E:THR:CA	1:93:E:GLY:C	6	0.39
(1,3284)	1:92:C:THR:CA	1:93:C:GLY:C	7	0.39
(1,3095)	1:93:D:GLY:C	1:92:D:THR:CA	1	0.39
(1,3095)	1:93:E:GLY:C	1:92:E:THR:CA	6	0.39
(1,3095)	1:93:C:GLY:C	1:92:C:THR:CA	7	0.39
(1,2793)	1:88:A:ILE:C	1:83:A:GLU:CA	4	0.39
(1,2690)	1:58:B:LYS:CD	1:56:B:ALA:CA	2	0.39
(1,2662)	1:89:D:ALA:CB	1:91:D:ALA:CA	4	0.39
(1,2641)	1:89:D:ALA:CB	1:91:D:ALA:CA	4	0.39
(1,2622)	1:48:D:VAL:CG2	1:47:D:GLY:CA	1	0.39
(1,2622)	1:48:D:VAL:CG2	1:47:D:GLY:CA	10	0.39
(1,2613)	1:77:E:VAL:CG1	1:47:D:GLY:CA	4	0.39
(1,2424)	1:40:D:VAL:CA	1:43:D:LYS:CE	5	0.39
(1,2424)	1:40:C:VAL:CA	1:43:C:LYS:CE	7	0.39
(1,2334)	1:44:E:THR:C	1:46:E:GLU:CB	10	0.39
(1,2059)	1:34:B:LYS:CA	1:37:B:VAL:C	1	0.39
(1,2049)	1:80:C:LYS:CG	1:79:C:GLN:CD	8	0.39
(1,1871)	1:88:A:ILE:CD1	1:82:A:VAL:CG1	1	0.39
(1,1528)	1:75:B:THR:CA	1:74:B:VAL:CB	1	0.39
(1,1445)	1:92:D:THR:CA	1:93:D:GLY:C	1	0.39
(1,1445)	1:92:E:THR:CA	1:93:E:GLY:C	6	0.39
(1,1445)	1:92:C:THR:CA	1:93:C:GLY:C	7	0.39
(1,1443)	1:92:D:THR:CA	1:93:D:GLY:C	1	0.39
(1,1443)	1:92:E:THR:CA	1:93:E:GLY:C	6	0.39
(1,1443)	1:92:C:THR:CA	1:93:C:GLY:C	7	0.39
(1,1437)	1:89:D:ALA:CB	1:91:D:ALA:CA	4	0.39
(1,1304)	1:92:D:THR:CA	1:93:D:GLY:C	1	0.39
(1,1304)	1:92:E:THR:CA	1:93:E:GLY:C	6	0.39
(1,1304)	1:92:C:THR:CA	1:93:C:GLY:C	7	0.39
(1,1291)	1:92:B:THR:CB	1:94:B:PHE:CG	3	0.39
(1,1021)	1:79:C:GLN:CD	1:80:C:LYS:CG	8	0.39
(1,927)	1:82:A:VAL:CB	1:80:A:LYS:C	4	0.39
(1,891)	1:92:D:THR:CA	1:93:D:GLY:C	1	0.39
(1,891)	1:92:E:THR:CA	1:93:E:GLY:C	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:92:C:THR:CA	1:93:C:GLY:C	7	0.39
(1,708)	1:45:A:LYS:CA	1:43:A:LYS:C	2	0.39
(1,600)	1:74:A:VAL:CG1	1:75:A:THR:CB	1	0.39
(1,417)	1:79:C:GLN:CD	1:80:C:LYS:CG	8	0.39
(1,343)	1:75:A:THR:CB	1:74:A:VAL:CG1	1	0.39
(1,4255)	1:73:E:GLY:CA	1:70:E:VAL:CB	2	0.38
(1,4236)	1:73:E:GLY:CA	1:70:E:VAL:CB	2	0.38
(1,4142)	1:80:E:LYS:C	1:82:E:VAL:CB	2	0.38
(1,4140)	1:80:E:LYS:C	1:82:E:VAL:CB	2	0.38
(1,4136)	1:80:E:LYS:C	1:82:E:VAL:CB	2	0.38
(1,3936)	1:82:C:VAL:CA	1:89:C:ALA:CB	4	0.38
(1,3877)	1:91:C:ALA:CA	1:89:C:ALA:CB	1	0.38
(1,3754)	1:81:A:THR:C	1:80:A:LYS:CG	2	0.38
(1,3390)	1:96:E:LYS:CD	1:96:E:LYS:C	7	0.38
(1,3380)	1:47:A:GLY:C	1:77:B:VAL:C	4	0.38
(1,3110)	1:89:C:ALA:CB	1:82:C:VAL:CA	4	0.38
(1,3089)	1:88:D:ILE:CA	1:81:D:THR:CA	1	0.38
(1,2828)	1:88:D:ILE:CA	1:94:D:PHE:CA	2	0.38
(1,2662)	1:89:C:ALA:CB	1:91:C:ALA:CA	1	0.38
(1,2641)	1:89:C:ALA:CB	1:91:C:ALA:CA	1	0.38
(1,2584)	1:69:E:ALA:CB	1:93:D:GLY:CA	5	0.38
(1,2579)	1:69:E:ALA:CB	1:93:D:GLY:CA	5	0.38
(1,2513)	1:83:D:GLU:CB	1:84:D:GLY:CA	4	0.38
(1,2482)	1:74:A:VAL:CG2	1:73:A:GLY:CA	6	0.38
(1,2479)	1:74:A:VAL:CG2	1:73:A:GLY:CA	6	0.38
(1,2473)	1:74:A:VAL:CG2	1:73:A:GLY:CA	6	0.38
(1,2383)	1:85:E:ALA:CB	1:96:E:LYS:CE	6	0.38
(1,2334)	1:44:A:THR:C	1:46:A:GLU:CB	6	0.38
(1,2308)	1:82:D:VAL:CG2	1:79:D:GLN:CA	4	0.38
(1,2013)	1:95:B:VAL:CB	1:96:B:LYS:CD	2	0.38
(1,1958)	1:90:A:ALA:CA	1:88:A:ILE:CB	1	0.38
(1,1823)	1:66:D:VAL:CG2	1:65:D:ASN:CA	2	0.38
(1,1659)	1:83:D:GLU:CB	1:84:D:GLY:CA	4	0.38
(1,1627)	1:70:C:VAL:CA	1:94:B:PHE:CA	2	0.38
(1,1561)	1:92:B:THR:CB	1:94:B:PHE:CZ	5	0.38
(1,1437)	1:89:C:ALA:CB	1:91:C:ALA:CA	1	0.38
(1,1291)	1:92:B:THR:CB	1:94:B:PHE:CG	7	0.38
(1,927)	1:82:E:VAL:CB	1:80:E:LYS:C	2	0.38
(1,911)	1:74:C:VAL:CG1	1:75:C:THR:C	9	0.38
(1,655)	1:90:A:ALA:CA	1:88:A:ILE:CB	1	0.38
(1,4321)	1:96:C:LYS:CD	1:95:C:VAL:CG1	4	0.37
(1,4160)	1:42:A:SER:CA	1:40:A:VAL:CB	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3813)	1:82:C:VAL:CG1	1:88:B:ILE:CG1	8	0.37
(1,3637)	1:77:B:VAL:C	1:48:A:VAL:CG1	1	0.37
(1,3444)	1:90:B:ALA:CA	1:91:B:ALA:C	2	0.37
(1,3430)	1:43:B:LYS:CD	1:41:B:GLY:C	6	0.37
(1,3390)	1:96:E:LYS:CD	1:96:E:LYS:C	6	0.37
(1,3003)	1:49:D:VAL:CG2	1:48:D:VAL:CA	10	0.37
(1,2828)	1:88:B:ILE:CA	1:94:B:PHE:CA	1	0.37
(1,2572)	1:96:D:LYS:CA	1:86:D:GLY:CA	1	0.37
(1,2532)	1:95:C:VAL:CG2	1:94:C:PHE:CB	8	0.37
(1,2513)	1:83:A:GLU:CB	1:84:A:GLY:CA	3	0.37
(1,2513)	1:83:A:GLU:CB	1:84:A:GLY:CA	5	0.37
(1,2450)	1:88:B:ILE:CG1	1:82:C:VAL:CG1	8	0.37
(1,2424)	1:40:B:VAL:CA	1:43:B:LYS:CE	10	0.37
(1,2413)	1:81:A:THR:CG2	1:80:A:LYS:CE	9	0.37
(1,2334)	1:44:A:THR:C	1:46:A:GLU:CB	3	0.37
(1,2308)	1:82:D:VAL:CG2	1:79:D:GLN:CA	2	0.37
(1,1989)	1:43:D:LYS:CE	1:39:D:TYR:CB	10	0.37
(1,1823)	1:66:E:VAL:CG2	1:65:E:ASN:CA	3	0.37
(1,1823)	1:66:E:VAL:CG2	1:65:E:ASN:CA	4	0.37
(1,1659)	1:83:A:GLU:CB	1:84:A:GLY:CA	3	0.37
(1,1659)	1:83:A:GLU:CB	1:84:A:GLY:CA	5	0.37
(1,1313)	1:58:B:LYS:C	1:61:B:GLU:CG	6	0.37
(1,911)	1:74:B:VAL:CG1	1:75:B:THR:C	4	0.37
(1,4255)	1:73:B:GLY:CA	1:70:B:VAL:CB	1	0.36
(1,4236)	1:73:B:GLY:CA	1:70:B:VAL:CB	1	0.36
(1,4160)	1:42:C:SER:CA	1:40:C:VAL:CB	4	0.36
(1,4142)	1:80:C:LYS:C	1:82:C:VAL:CB	8	0.36
(1,4140)	1:80:C:LYS:C	1:82:C:VAL:CB	8	0.36
(1,4136)	1:80:C:LYS:C	1:82:C:VAL:CB	8	0.36
(1,3877)	1:91:D:ALA:CA	1:89:D:ALA:CB	10	0.36
(1,3841)	1:82:A:VAL:CB	1:88:A:ILE:CG1	1	0.36
(1,3709)	1:45:B:LYS:CA	1:43:B:LYS:CG	7	0.36
(1,3702)	1:95:D:VAL:CG1	1:97:D:LYS:CG	5	0.36
(1,3701)	1:96:A:LYS:CA	1:97:A:LYS:CG	10	0.36
(1,3695)	1:94:A:PHE:C	1:97:A:LYS:CG	3	0.36
(1,3552)	1:83:A:GLU:CB	1:85:A:ALA:C	1	0.36
(1,3552)	1:83:C:GLU:CB	1:85:C:ALA:C	6	0.36
(1,3409)	1:78:E:ALA:CB	1:49:D:VAL:C	4	0.36
(1,3365)	1:75:E:THR:C	1:77:E:VAL:C	3	0.36
(1,3081)	1:89:C:ALA:C	1:77:C:VAL:CA	10	0.36
(1,2941)	1:42:C:SER:CA	1:45:C:LYS:CA	8	0.36
(1,2662)	1:89:D:ALA:CB	1:91:D:ALA:CA	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2641)	1:89:D:ALA:CB	1:91:D:ALA:CA	10	0.36
(1,2250)	1:77:E:VAL:C	1:75:E:THR:C	3	0.36
(1,2039)	1:79:E:GLN:CG	1:82:E:VAL:CB	6	0.36
(1,1989)	1:43:D:LYS:CE	1:39:D:TYR:CB	9	0.36
(1,1958)	1:90:B:ALA:CA	1:88:C:ILE:CB	3	0.36
(1,1958)	1:90:C:ALA:CA	1:88:C:ILE:CB	7	0.36
(1,1823)	1:66:D:VAL:CG2	1:65:D:ASN:CA	9	0.36
(1,1811)	1:44:D:THR:CA	1:39:D:TYR:CG	4	0.36
(1,1784)	1:70:E:VAL:CG2	1:66:E:VAL:C	8	0.36
(1,1437)	1:89:D:ALA:CB	1:91:D:ALA:CA	10	0.36
(1,1338)	1:82:C:VAL:CG1	1:94:B:PHE:CZ	10	0.36
(1,1044)	1:89:E:ALA:CA	1:88:E:ILE:CG2	9	0.36
(1,927)	1:82:C:VAL:CB	1:80:C:LYS:C	8	0.36
(1,911)	1:74:C:VAL:CG1	1:75:C:THR:C	2	0.36
(1,911)	1:74:A:VAL:CG1	1:75:A:THR:C	6	0.36
(1,723)	1:88:E:ILE:CG2	1:89:E:ALA:CA	9	0.36
(1,708)	1:45:A:LYS:CA	1:43:A:LYS:C	9	0.36
(1,655)	1:90:B:ALA:CA	1:88:C:ILE:CB	3	0.36
(1,655)	1:90:C:ALA:CA	1:88:C:ILE:CB	7	0.36
(1,602)	1:94:B:PHE:CB	1:95:B:VAL:C	2	0.36
(1,510)	1:79:E:GLN:CG	1:82:E:VAL:CB	6	0.36
(3,14)	1:92:E:THR:CB	1:74:E:VAL:CG2	8	0.35
(1,4082)	1:77:B:VAL:C	1:79:B:GLN:CB	2	0.35
(1,4067)	1:77:B:VAL:C	1:79:B:GLN:CB	2	0.35
(1,4057)	1:55:C:VAL:C	1:57:C:GLU:CB	10	0.35
(1,3552)	1:83:C:GLU:CB	1:85:C:ALA:C	8	0.35
(1,3552)	1:83:A:GLU:CB	1:85:A:ALA:C	9	0.35
(1,3444)	1:90:B:ALA:CA	1:91:B:ALA:C	9	0.35
(1,3365)	1:75:A:THR:C	1:77:A:VAL:C	6	0.35
(1,3363)	1:79:B:GLN:CB	1:77:B:VAL:C	2	0.35
(1,3341)	1:96:C:LYS:CA	1:68:D:GLY:C	2	0.35
(1,3307)	1:49:C:VAL:C	1:51:C:GLY:C	9	0.35
(1,3307)	1:49:B:VAL:C	1:51:B:GLY:C	10	0.35
(1,3291)	1:92:C:THR:CA	1:93:C:GLY:C	5	0.35
(1,3284)	1:92:C:THR:CA	1:93:C:GLY:C	5	0.35
(1,3120)	1:78:D:ALA:CB	1:75:D:THR:CA	9	0.35
(1,3095)	1:93:C:GLY:C	1:92:C:THR:CA	5	0.35
(1,2349)	1:77:C:VAL:CG1	1:88:B:ILE:CB	8	0.35
(1,2250)	1:77:A:VAL:C	1:75:A:THR:C	6	0.35
(1,1976)	1:93:C:GLY:CA	1:94:C:PHE:CD1	5	0.35
(1,1958)	1:90:A:ALA:CA	1:88:A:ILE:CB	2	0.35
(1,1831)	1:74:D:VAL:CG2	1:71:D:VAL:CB	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:59:C:THR:CG2	1:60:C:LYS:CG	2	0.35
(1,1681)	1:79:B:GLN:CB	1:77:B:VAL:C	2	0.35
(1,1445)	1:92:C:THR:CA	1:93:C:GLY:C	5	0.35
(1,1443)	1:92:C:THR:CA	1:93:C:GLY:C	5	0.35
(1,1304)	1:92:C:THR:CA	1:93:C:GLY:C	5	0.35
(1,891)	1:92:C:THR:CA	1:93:C:GLY:C	5	0.35
(1,793)	1:77:E:VAL:CA	1:75:E:THR:CA	6	0.35
(1,655)	1:90:A:ALA:CA	1:88:A:ILE:CB	2	0.35
(1,629)	1:93:C:GLY:CA	1:94:C:PHE:CD1	5	0.35
(1,4356)	1:95:D:VAL:CG1	1:98:D:ASP:CB	8	0.34
(1,4160)	1:42:A:SER:CA	1:40:A:VAL:CB	3	0.34
(1,4160)	1:42:A:SER:CA	1:40:A:VAL:CB	9	0.34
(1,4082)	1:77:E:VAL:C	1:79:E:GLN:CB	3	0.34
(1,4067)	1:77:E:VAL:C	1:79:E:GLN:CB	3	0.34
(1,3850)	1:88:E:ILE:CD1	1:89:E:ALA:CB	3	0.34
(1,3750)	1:79:A:GLN:CD	1:80:A:LYS:CG	4	0.34
(1,3745)	1:89:E:ALA:CB	1:88:E:ILE:CD1	3	0.34
(1,3702)	1:95:A:VAL:CG1	1:97:A:LYS:CG	3	0.34
(1,3637)	1:77:C:VAL:C	1:48:B:VAL:CG1	3	0.34
(1,3605)	1:89:E:ALA:CB	1:88:E:ILE:CD1	3	0.34
(1,3491)	1:87:A:SER:CB	1:89:A:ALA:C	8	0.34
(1,3365)	1:75:A:THR:C	1:77:A:VAL:C	2	0.34
(1,3363)	1:79:E:GLN:CB	1:77:E:VAL:C	3	0.34
(1,3307)	1:49:C:VAL:C	1:51:C:GLY:C	3	0.34
(1,3291)	1:92:E:THR:CA	1:93:E:GLY:C	2	0.34
(1,3291)	1:92:C:THR:CA	1:93:C:GLY:C	4	0.34
(1,3291)	1:92:B:THR:CA	1:93:B:GLY:C	9	0.34
(1,3284)	1:92:E:THR:CA	1:93:E:GLY:C	2	0.34
(1,3284)	1:92:C:THR:CA	1:93:C:GLY:C	4	0.34
(1,3284)	1:92:B:THR:CA	1:93:B:GLY:C	9	0.34
(1,3138)	1:58:A:LYS:CD	1:59:A:THR:CA	1	0.34
(1,3095)	1:93:E:GLY:C	1:92:E:THR:CA	2	0.34
(1,3095)	1:93:C:GLY:C	1:92:C:THR:CA	4	0.34
(1,3095)	1:93:B:GLY:C	1:92:B:THR:CA	9	0.34
(1,2877)	1:95:C:VAL:CG1	1:96:C:LYS:CA	3	0.34
(1,2877)	1:95:D:VAL:CG1	1:96:D:LYS:CA	5	0.34
(1,2793)	1:88:A:ILE:C	1:83:A:GLU:CA	10	0.34
(1,2601)	1:43:E:LYS:CE	1:41:E:GLY:CA	6	0.34
(1,2424)	1:40:A:VAL:CA	1:43:A:LYS:CE	4	0.34
(1,2349)	1:77:E:VAL:CG1	1:88:D:ILE:CB	1	0.34
(1,2328)	1:44:A:THR:C	1:42:A:SER:CA	10	0.34
(1,2250)	1:77:A:VAL:C	1:75:A:THR:C	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2245)	1:60:A:LYS:C	1:63:A:VAL:CG2	1	0.34
(1,2049)	1:80:A:LYS:CG	1:79:A:GLN:CD	4	0.34
(1,1991)	1:59:A:THR:CA	1:58:A:LYS:CD	1	0.34
(1,1976)	1:93:D:GLY:CA	1:94:D:PHE:CD1	2	0.34
(1,1976)	1:93:D:GLY:CA	1:94:D:PHE:CD1	9	0.34
(1,1962)	1:41:E:GLY:CA	1:43:E:LYS:CE	6	0.34
(1,1823)	1:66:A:VAL:CG2	1:65:A:ASN:CA	1	0.34
(1,1811)	1:44:D:THR:CA	1:39:D:TYR:CG	2	0.34
(1,1715)	1:58:A:LYS:CD	1:59:A:THR:CA	1	0.34
(1,1681)	1:79:E:GLN:CB	1:77:E:VAL:C	3	0.34
(1,1627)	1:70:C:VAL:CA	1:94:B:PHE:CA	6	0.34
(1,1561)	1:92:A:THR:CB	1:94:A:PHE:CZ	9	0.34
(1,1512)	1:58:A:LYS:CD	1:59:A:THR:CA	1	0.34
(1,1445)	1:92:E:THR:CA	1:93:E:GLY:C	2	0.34
(1,1445)	1:92:C:THR:CA	1:93:C:GLY:C	4	0.34
(1,1445)	1:92:B:THR:CA	1:93:B:GLY:C	9	0.34
(1,1443)	1:92:E:THR:CA	1:93:E:GLY:C	2	0.34
(1,1443)	1:92:C:THR:CA	1:93:C:GLY:C	4	0.34
(1,1443)	1:92:B:THR:CA	1:93:B:GLY:C	9	0.34
(1,1385)	1:88:E:ILE:CD1	1:89:E:ALA:CB	3	0.34
(1,1304)	1:92:E:THR:CA	1:93:E:GLY:C	2	0.34
(1,1304)	1:92:C:THR:CA	1:93:C:GLY:C	4	0.34
(1,1304)	1:92:B:THR:CA	1:93:B:GLY:C	9	0.34
(1,1059)	1:59:A:THR:CA	1:58:A:LYS:CD	1	0.34
(1,1021)	1:79:A:GLN:CD	1:80:A:LYS:CG	4	0.34
(1,911)	1:74:C:VAL:CG1	1:75:C:THR:C	3	0.34
(1,891)	1:92:E:THR:CA	1:93:E:GLY:C	2	0.34
(1,891)	1:92:C:THR:CA	1:93:C:GLY:C	4	0.34
(1,891)	1:92:B:THR:CA	1:93:B:GLY:C	9	0.34
(1,814)	1:58:A:LYS:CD	1:59:A:THR:CA	1	0.34
(1,629)	1:93:D:GLY:CA	1:94:D:PHE:CD1	2	0.34
(1,629)	1:93:D:GLY:CA	1:94:D:PHE:CD1	9	0.34
(1,512)	1:80:A:LYS:CD	1:80:A:LYS:C	2	0.34
(1,496)	1:58:A:LYS:CD	1:59:A:THR:CA	1	0.34
(1,417)	1:79:A:GLN:CD	1:80:A:LYS:CG	4	0.34
(1,347)	1:75:A:THR:CB	1:76:A:ALA:C	7	0.34
(1,324)	1:59:A:THR:CA	1:58:A:LYS:CD	1	0.34
(1,54)	1:80:A:LYS:CD	1:80:A:LYS:C	2	0.34
(1,4233)	1:89:B:ALA:CA	1:77:C:VAL:CB	3	0.33
(1,3709)	1:45:D:LYS:CA	1:43:D:LYS:CG	5	0.33
(1,3709)	1:45:D:LYS:CA	1:43:D:LYS:CG	10	0.33
(1,3515)	1:43:A:LYS:CB	1:40:A:VAL:C	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3390)	1:96:B:LYS:CD	1:96:B:LYS:C	2	0.33
(1,3365)	1:75:C:THR:C	1:77:C:VAL:C	5	0.33
(1,3365)	1:75:A:THR:C	1:77:A:VAL:C	8	0.33
(1,3307)	1:49:D:VAL:C	1:51:D:GLY:C	4	0.33
(1,3307)	1:49:B:VAL:C	1:51:B:GLY:C	8	0.33
(1,3089)	1:88:A:ILE:CA	1:81:A:THR:CA	4	0.33
(1,3081)	1:89:C:ALA:C	1:77:C:VAL:CA	8	0.33
(1,2765)	1:36:A:GLY:C	1:39:A:TYR:CA	4	0.33
(1,2424)	1:40:E:VAL:CA	1:43:E:LYS:CE	2	0.33
(1,2413)	1:81:E:THR:CG2	1:80:E:LYS:CE	5	0.33
(1,2413)	1:81:C:THR:CG2	1:80:C:LYS:CE	6	0.33
(1,2328)	1:44:A:THR:C	1:42:A:SER:CA	4	0.33
(1,2328)	1:44:E:THR:C	1:42:E:SER:CA	5	0.33
(1,2250)	1:77:C:VAL:C	1:75:C:THR:C	5	0.33
(1,2250)	1:77:A:VAL:C	1:75:A:THR:C	8	0.33
(1,2161)	1:88:C:ILE:C	1:79:C:GLN:CG	7	0.33
(1,2013)	1:95:D:VAL:CB	1:96:D:LYS:CD	9	0.33
(1,1989)	1:43:C:LYS:CE	1:39:C:TYR:CB	5	0.33
(1,1976)	1:93:E:GLY:CA	1:94:E:PHE:CD1	4	0.33
(1,1871)	1:88:C:ILE:CD1	1:82:D:VAL:CG1	10	0.33
(1,1669)	1:80:D:LYS:CE	1:79:D:GLN:CA	8	0.33
(1,1291)	1:92:B:THR:CB	1:94:B:PHE:CG	1	0.33
(1,1117)	1:40:A:VAL:C	1:43:A:LYS:CB	7	0.33
(1,1087)	1:70:A:VAL:CG2	1:66:A:VAL:CB	9	0.33
(1,1044)	1:89:A:ALA:CA	1:88:A:ILE:CG2	3	0.33
(1,944)	1:43:A:LYS:CB	1:40:A:VAL:C	7	0.33
(1,911)	1:74:E:VAL:CG1	1:75:E:THR:C	8	0.33
(1,723)	1:88:A:ILE:CG2	1:89:A:ALA:CA	3	0.33
(1,708)	1:45:A:LYS:CA	1:43:A:LYS:C	3	0.33
(1,649)	1:55:E:VAL:CG1	1:56:E:ALA:CB	5	0.33
(1,629)	1:93:E:GLY:CA	1:94:E:PHE:CD1	4	0.33
(1,628)	1:93:A:GLY:CA	1:94:A:PHE:CZ	2	0.33
(1,628)	1:93:E:GLY:CA	1:94:E:PHE:CZ	4	0.33
(1,4321)	1:96:C:LYS:CD	1:95:C:VAL:CG1	1	0.32
(1,4191)	1:58:A:LYS:CD	1:61:A:GLU:CG	5	0.32
(1,4160)	1:42:E:SER:CA	1:40:E:VAL:CB	8	0.32
(1,4142)	1:80:A:LYS:C	1:82:A:VAL:CB	9	0.32
(1,4140)	1:80:A:LYS:C	1:82:A:VAL:CB	9	0.32
(1,4136)	1:80:A:LYS:C	1:82:A:VAL:CB	9	0.32
(1,4082)	1:77:A:VAL:C	1:79:A:GLN:CB	10	0.32
(1,4067)	1:77:A:VAL:C	1:79:A:GLN:CB	10	0.32
(1,4057)	1:55:D:VAL:C	1:57:D:GLU:CB	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3850)	1:88:A:ILE:CD1	1:89:A:ALA:CB	7	0.32
(1,3745)	1:89:A:ALA:CB	1:88:A:ILE:CD1	7	0.32
(1,3605)	1:89:A:ALA:CB	1:88:A:ILE:CD1	7	0.32
(1,3552)	1:83:B:GLU:CB	1:85:B:ALA:C	2	0.32
(1,3520)	1:43:D:LYS:CE	1:40:D:VAL:C	6	0.32
(1,3491)	1:87:B:SER:CB	1:89:B:ALA:C	4	0.32
(1,3409)	1:78:E:ALA:CB	1:49:D:VAL:C	6	0.32
(1,3365)	1:75:E:THR:C	1:77:E:VAL:C	9	0.32
(1,3363)	1:79:A:GLN:CB	1:77:A:VAL:C	10	0.32
(1,3341)	1:96:D:LYS:CA	1:68:E:GLY:C	7	0.32
(1,3341)	1:96:A:LYS:CA	1:68:B:GLY:C	10	0.32
(1,3291)	1:92:E:THR:CA	1:93:E:GLY:C	8	0.32
(1,3284)	1:92:E:THR:CA	1:93:E:GLY:C	8	0.32
(1,3095)	1:93:E:GLY:C	1:92:E:THR:CA	8	0.32
(1,2793)	1:88:B:ILE:C	1:83:B:GLU:CA	1	0.32
(1,2527)	1:96:B:LYS:CD	1:94:B:PHE:CB	7	0.32
(1,2439)	1:40:D:VAL:C	1:43:D:LYS:CE	6	0.32
(1,2417)	1:40:D:VAL:C	1:43:D:LYS:CE	6	0.32
(1,2413)	1:81:D:THR:CG2	1:80:D:LYS:CE	1	0.32
(1,2250)	1:77:E:VAL:C	1:75:E:THR:C	9	0.32
(1,1989)	1:43:E:LYS:CE	1:39:E:TYR:CB	1	0.32
(1,1829)	1:63:D:VAL:CG2	1:73:D:GLY:CA	4	0.32
(1,1681)	1:79:A:GLN:CB	1:77:A:VAL:C	10	0.32
(1,1510)	1:58:A:LYS:CD	1:61:A:GLU:CG	5	0.32
(1,1445)	1:92:E:THR:CA	1:93:E:GLY:C	8	0.32
(1,1443)	1:92:E:THR:CA	1:93:E:GLY:C	8	0.32
(1,1385)	1:88:A:ILE:CD1	1:89:A:ALA:CB	7	0.32
(1,1304)	1:92:E:THR:CA	1:93:E:GLY:C	8	0.32
(1,1293)	1:94:C:PHE:CA	1:94:C:PHE:CE1	9	0.32
(1,1191)	1:96:B:LYS:CD	1:94:B:PHE:CB	7	0.32
(1,1044)	1:89:A:ALA:CA	1:88:A:ILE:CG2	7	0.32
(1,1044)	1:89:E:ALA:CA	1:88:E:ILE:CG2	8	0.32
(1,927)	1:82:A:VAL:CB	1:80:A:LYS:C	9	0.32
(1,891)	1:92:E:THR:CA	1:93:E:GLY:C	8	0.32
(1,793)	1:77:D:VAL:CA	1:75:D:THR:CA	3	0.32
(1,723)	1:88:A:ILE:CG2	1:89:A:ALA:CA	7	0.32
(1,723)	1:88:E:ILE:CG2	1:89:E:ALA:CA	8	0.32
(1,602)	1:94:C:PHE:CB	1:95:C:VAL:C	9	0.32
(1,512)	1:80:E:LYS:CD	1:80:E:LYS:C	7	0.32
(1,414)	1:40:D:VAL:C	1:37:D:VAL:CB	7	0.32
(1,54)	1:80:E:LYS:CD	1:80:E:LYS:C	7	0.32
(1,4191)	1:58:C:LYS:CD	1:61:C:GLU:CG	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4160)	1:42:D:SER:CA	1:40:D:VAL:CB	6	0.31
(1,4142)	1:80:C:LYS:C	1:82:C:VAL:CB	1	0.31
(1,4142)	1:80:A:LYS:C	1:82:A:VAL:CB	3	0.31
(1,4140)	1:80:C:LYS:C	1:82:C:VAL:CB	1	0.31
(1,4140)	1:80:A:LYS:C	1:82:A:VAL:CB	3	0.31
(1,4136)	1:80:C:LYS:C	1:82:C:VAL:CB	1	0.31
(1,4136)	1:80:A:LYS:C	1:82:A:VAL:CB	3	0.31
(1,4057)	1:55:E:VAL:C	1:57:E:GLU:CB	2	0.31
(1,3920)	1:48:E:VAL:CA	1:45:E:LYS:CD	6	0.31
(1,3709)	1:45:C:LYS:CA	1:43:C:LYS:CG	4	0.31
(1,3698)	1:95:C:VAL:CB	1:97:C:LYS:CG	4	0.31
(1,3695)	1:94:B:PHE:C	1:97:B:LYS:CG	1	0.31
(1,3589)	1:58:A:LYS:CD	1:57:A:GLU:CD	2	0.31
(1,3409)	1:78:E:ALA:CB	1:49:D:VAL:C	3	0.31
(1,3409)	1:78:B:ALA:CB	1:49:A:VAL:C	9	0.31
(1,3307)	1:49:D:VAL:C	1:51:D:GLY:C	1	0.31
(1,3307)	1:49:C:VAL:C	1:51:C:GLY:C	6	0.31
(1,3092)	1:80:E:LYS:CE	1:81:E:THR:CA	8	0.31
(1,2985)	1:45:E:LYS:CD	1:48:E:VAL:CA	6	0.31
(1,2807)	1:80:C:LYS:CG	1:46:B:GLU:CA	7	0.31
(1,2701)	1:78:E:ALA:CB	1:90:D:ALA:CA	5	0.31
(1,2644)	1:73:C:GLY:CA	1:76:C:ALA:CA	1	0.31
(1,2635)	1:45:B:LYS:CG	1:47:B:GLY:CA	2	0.31
(1,2472)	1:71:B:VAL:CA	1:73:B:GLY:CA	5	0.31
(1,2285)	1:79:C:GLN:C	1:89:C:ALA:CB	4	0.31
(1,2039)	1:79:A:GLN:CG	1:82:A:VAL:CB	10	0.31
(1,1871)	1:88:A:ILE:CD1	1:82:A:VAL:CG1	4	0.31
(1,1831)	1:74:B:VAL:CG2	1:71:B:VAL:CB	7	0.31
(1,1772)	1:78:E:ALA:CB	1:90:D:ALA:CA	5	0.31
(1,1693)	1:80:D:LYS:CD	1:46:C:GLU:CG	9	0.31
(1,1653)	1:46:C:GLU:CG	1:80:D:LYS:CD	9	0.31
(1,1627)	1:70:E:VAL:CA	1:94:D:PHE:CA	9	0.31
(1,1625)	1:80:E:LYS:CE	1:81:E:THR:CA	8	0.31
(1,1608)	1:73:B:GLY:CA	1:71:B:VAL:CA	5	0.31
(1,1510)	1:58:C:LYS:CD	1:61:C:GLU:CG	1	0.31
(1,1293)	1:94:A:PHE:CA	1:94:A:PHE:CE1	5	0.31
(1,1236)	1:73:C:GLY:CA	1:76:C:ALA:CA	1	0.31
(1,1044)	1:89:A:ALA:CA	1:88:A:ILE:CG2	6	0.31
(1,1016)	1:46:B:GLU:CA	1:80:C:LYS:CG	7	0.31
(1,927)	1:82:C:VAL:CB	1:80:C:LYS:C	1	0.31
(1,927)	1:82:A:VAL:CB	1:80:A:LYS:C	3	0.31
(1,723)	1:88:A:ILE:CG2	1:89:A:ALA:CA	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:80:C:LYS:CG	1:46:B:GLU:CA	7	0.31
(1,649)	1:55:D:VAL:CG1	1:56:D:ALA:CB	3	0.31
(1,628)	1:93:A:GLY:CA	1:94:A:PHE:CZ	5	0.31
(1,602)	1:94:E:PHE:CB	1:95:E:VAL:C	4	0.31
(1,510)	1:79:A:GLN:CG	1:82:A:VAL:CB	10	0.31
(1,502)	1:45:E:LYS:CD	1:48:E:VAL:CA	6	0.31
(1,398)	1:80:E:LYS:C	1:80:E:LYS:CE	7	0.31
(1,265)	1:80:E:LYS:C	1:80:E:LYS:CE	7	0.31
(1,4332)	1:50:A:HIS:CB	1:48:A:VAL:CB	1	0.3
(1,4332)	1:50:C:HIS:CB	1:48:C:VAL:CB	4	0.3
(1,4322)	1:50:A:HIS:CB	1:48:A:VAL:CB	1	0.3
(1,4322)	1:50:C:HIS:CB	1:48:C:VAL:CB	4	0.3
(1,4142)	1:80:E:LYS:C	1:82:E:VAL:CB	5	0.3
(1,4140)	1:80:E:LYS:C	1:82:E:VAL:CB	5	0.3
(1,4136)	1:80:E:LYS:C	1:82:E:VAL:CB	5	0.3
(1,3706)	1:86:E:GLY:C	1:96:D:LYS:CG	4	0.3
(1,3543)	1:42:C:SER:CA	1:37:C:VAL:C	7	0.3
(1,3380)	1:47:B:GLY:C	1:77:C:VAL:C	3	0.3
(1,3365)	1:75:B:THR:C	1:77:B:VAL:C	4	0.3
(1,3307)	1:49:E:VAL:C	1:51:E:GLY:C	7	0.3
(1,3003)	1:49:C:VAL:CG2	1:48:C:VAL:CA	8	0.3
(1,2828)	1:88:C:ILE:CA	1:94:C:PHE:CA	10	0.3
(1,2793)	1:88:C:ILE:C	1:83:C:GLU:CA	8	0.3
(1,2768)	1:43:A:LYS:CG	1:39:A:TYR:CA	2	0.3
(1,2622)	1:48:D:VAL:CG2	1:47:D:GLY:CA	8	0.3
(1,2472)	1:71:B:VAL:CA	1:73:B:GLY:CA	4	0.3
(1,2383)	1:85:D:ALA:CB	1:96:C:LYS:CE	1	0.3
(1,2380)	1:97:A:LYS:C	1:97:A:LYS:CE	7	0.3
(1,2328)	1:44:A:THR:C	1:42:A:SER:CA	7	0.3
(1,2308)	1:82:C:VAL:CG2	1:79:C:GLN:CA	8	0.3
(1,2250)	1:77:B:VAL:C	1:75:B:THR:C	4	0.3
(1,2013)	1:95:B:VAL:CB	1:96:B:LYS:CD	4	0.3
(1,1827)	1:95:B:VAL:CG1	1:97:B:LYS:CA	1	0.3
(1,1784)	1:70:C:VAL:CG2	1:66:C:VAL:C	10	0.3
(1,1693)	1:80:E:LYS:CD	1:46:D:GLU:CG	1	0.3
(1,1669)	1:80:C:LYS:CE	1:79:C:GLN:CA	9	0.3
(1,1653)	1:46:D:GLU:CG	1:80:E:LYS:CD	1	0.3
(1,1608)	1:73:B:GLY:CA	1:71:B:VAL:CA	4	0.3
(1,927)	1:82:E:VAL:CB	1:80:E:LYS:C	5	0.3
(1,793)	1:77:D:VAL:CA	1:75:D:THR:CA	8	0.3
(1,628)	1:93:C:GLY:CA	1:94:C:PHE:CZ	7	0.3
(1,628)	1:93:C:GLY:CA	1:94:C:PHE:CZ	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:97:E:LYS:CE	1:95:E:VAL:C	9	0.3
(1,553)	1:48:A:VAL:CB	1:50:A:HIS:CB	1	0.3
(1,553)	1:48:C:VAL:CB	1:50:C:HIS:CB	4	0.3
(1,347)	1:75:B:THR:CB	1:76:B:ALA:C	10	0.3
(1,4332)	1:50:B:HIS:CB	1:48:B:VAL:CB	5	0.29
(1,4322)	1:50:B:HIS:CB	1:48:B:VAL:CB	5	0.29
(1,4255)	1:73:E:GLY:CA	1:70:E:VAL:CB	5	0.29
(1,4236)	1:73:E:GLY:CA	1:70:E:VAL:CB	5	0.29
(1,4191)	1:58:E:LYS:CD	1:61:E:GLU:CG	9	0.29
(1,4096)	1:49:C:VAL:CG1	1:74:D:VAL:CG1	9	0.29
(1,4000)	1:48:B:VAL:CG2	1:79:C:GLN:CG	3	0.29
(1,3081)	1:89:C:ALA:C	1:77:D:VAL:CA	1	0.29
(1,2759)	1:77:C:VAL:CG1	1:79:C:GLN:CA	2	0.29
(1,2742)	1:77:C:VAL:CG1	1:79:C:GLN:CA	2	0.29
(1,2613)	1:77:E:VAL:CG1	1:47:E:GLY:CA	10	0.29
(1,2568)	1:82:C:VAL:CG1	1:86:B:GLY:CA	6	0.29
(1,2413)	1:81:A:THR:CG2	1:80:A:LYS:CE	3	0.29
(1,2380)	1:97:E:LYS:C	1:97:E:LYS:CE	5	0.29
(1,2156)	1:53:A:ALA:C	1:51:A:GLY:CA	7	0.29
(1,2059)	1:34:D:LYS:CA	1:37:D:VAL:C	10	0.29
(1,1510)	1:58:E:LYS:CD	1:61:E:GLU:CG	9	0.29
(1,1203)	1:82:C:VAL:CG1	1:86:B:GLY:CA	6	0.29
(1,963)	1:45:B:LYS:CA	1:46:B:GLU:CD	7	0.29
(1,793)	1:77:C:VAL:CA	1:75:C:THR:CA	2	0.29
(1,793)	1:77:B:VAL:CA	1:75:B:THR:CA	9	0.29
(1,787)	1:79:C:GLN:CA	1:77:C:VAL:CG1	2	0.29
(1,719)	1:86:B:GLY:CA	1:82:C:VAL:CG1	6	0.29
(1,707)	1:45:B:LYS:CA	1:46:B:GLU:CD	7	0.29
(1,553)	1:48:B:VAL:CB	1:50:B:HIS:CB	5	0.29
(1,414)	1:40:B:VAL:C	1:37:B:VAL:CB	1	0.29
(1,414)	1:40:B:VAL:C	1:37:B:VAL:CB	6	0.29
(1,235)	1:93:B:GLY:C	1:93:B:GLY:CA	5	0.29
(1,235)	1:93:E:GLY:C	1:93:E:GLY:CA	9	0.29
(1,148)	1:79:A:GLN:CA	1:79:A:GLN:C	3	0.29
(1,148)	1:79:A:GLN:CA	1:79:A:GLN:C	4	0.29
(1,148)	1:79:B:GLN:CA	1:79:B:GLN:C	5	0.29
(1,148)	1:79:A:GLN:CA	1:79:A:GLN:C	6	0.29
(1,148)	1:79:A:GLN:CA	1:79:A:GLN:C	7	0.29
(1,122)	1:93:B:GLY:CA	1:93:B:GLY:C	5	0.29
(1,122)	1:93:E:GLY:CA	1:93:E:GLY:C	9	0.29
(1,4332)	1:50:D:HIS:CB	1:48:D:VAL:CB	9	0.28
(1,4322)	1:50:D:HIS:CB	1:48:D:VAL:CB	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4142)	1:80:B:LYS:C	1:82:B:VAL:CB	10	0.28
(1,4140)	1:80:B:LYS:C	1:82:B:VAL:CB	10	0.28
(1,4136)	1:80:B:LYS:C	1:82:B:VAL:CB	10	0.28
(1,4082)	1:77:E:VAL:C	1:79:E:GLN:CB	1	0.28
(1,4067)	1:77:E:VAL:C	1:79:E:GLN:CB	1	0.28
(1,3905)	1:61:E:GLU:CA	1:58:E:LYS:CD	1	0.28
(1,3897)	1:61:E:GLU:CA	1:58:E:LYS:CD	1	0.28
(1,3883)	1:61:E:GLU:CA	1:58:E:LYS:CD	1	0.28
(1,3878)	1:61:E:GLU:CA	1:58:E:LYS:CD	1	0.28
(1,3877)	1:91:C:ALA:CA	1:89:C:ALA:CB	3	0.28
(1,3750)	1:79:B:GLN:CD	1:80:B:LYS:CG	9	0.28
(1,3543)	1:42:D:SER:CA	1:37:D:VAL:C	5	0.28
(1,3519)	1:80:D:LYS:CB	1:81:D:THR:CG2	5	0.28
(1,3519)	1:80:C:LYS:CB	1:81:C:THR:CG2	9	0.28
(1,3409)	1:78:B:ALA:CB	1:49:A:VAL:C	1	0.28
(1,3363)	1:79:E:GLN:CB	1:77:E:VAL:C	1	0.28
(1,3269)	1:96:D:LYS:C	1:94:D:PHE:CD1	8	0.28
(1,3086)	1:80:E:LYS:CB	1:81:E:THR:CA	7	0.28
(1,3066)	1:89:A:ALA:CB	1:77:B:VAL:CA	7	0.28
(1,3006)	1:54:B:THR:CB	1:55:B:VAL:CG2	10	0.28
(1,2835)	1:58:E:LYS:CD	1:61:E:GLU:CA	1	0.28
(1,2822)	1:58:E:LYS:CD	1:61:E:GLU:CA	1	0.28
(1,2806)	1:58:E:LYS:CD	1:61:E:GLU:CA	1	0.28
(1,2662)	1:89:C:ALA:CB	1:91:C:ALA:CA	3	0.28
(1,2641)	1:89:C:ALA:CB	1:91:C:ALA:CA	3	0.28
(1,2622)	1:48:D:VAL:CG2	1:47:D:GLY:CA	7	0.28
(1,2472)	1:71:A:VAL:CA	1:73:A:GLY:CA	1	0.28
(1,2380)	1:97:E:LYS:C	1:97:E:LYS:CE	1	0.28
(1,2380)	1:97:E:LYS:C	1:97:E:LYS:CE	3	0.28
(1,2317)	1:61:E:GLU:CA	1:58:E:LYS:CD	1	0.28
(1,2049)	1:80:B:LYS:CG	1:79:B:GLN:CD	9	0.28
(1,1681)	1:79:E:GLN:CB	1:77:E:VAL:C	1	0.28
(1,1669)	1:80:A:LYS:CE	1:79:A:GLN:CA	4	0.28
(1,1669)	1:80:B:LYS:CE	1:79:B:GLN:CA	10	0.28
(1,1608)	1:73:A:GLY:CA	1:71:A:VAL:CA	1	0.28
(1,1437)	1:89:C:ALA:CB	1:91:C:ALA:CA	3	0.28
(1,1296)	1:94:C:PHE:CB	1:94:C:PHE:CZ	8	0.28
(1,1296)	1:94:C:PHE:CB	1:94:C:PHE:CZ	9	0.28
(1,1293)	1:94:C:PHE:CA	1:94:C:PHE:CE1	2	0.28
(1,1087)	1:70:E:VAL:CG2	1:66:E:VAL:CB	6	0.28
(1,1044)	1:89:B:ALA:CA	1:88:B:ILE:CG2	2	0.28
(1,1044)	1:89:B:ALA:CA	1:88:B:ILE:CG2	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	1:79:B:GLN:CD	1:80:B:LYS:CG	9	0.28
(1,927)	1:82:B:VAL:CB	1:80:B:LYS:C	10	0.28
(1,723)	1:88:B:ILE:CG2	1:89:B:ALA:CA	2	0.28
(1,723)	1:88:B:ILE:CG2	1:89:B:ALA:CA	10	0.28
(1,553)	1:48:D:VAL:CB	1:50:D:HIS:CB	9	0.28
(1,417)	1:79:B:GLN:CD	1:80:B:LYS:CG	9	0.28
(1,414)	1:40:B:VAL:C	1:37:B:VAL:CB	8	0.28
(1,414)	1:40:A:VAL:C	1:37:A:VAL:CB	10	0.28
(1,235)	1:93:B:GLY:C	1:93:B:GLY:CA	2	0.28
(1,235)	1:93:D:GLY:C	1:93:D:GLY:CA	4	0.28
(1,235)	1:93:B:GLY:C	1:93:B:GLY:CA	7	0.28
(1,235)	1:93:C:GLY:C	1:93:C:GLY:CA	10	0.28
(1,197)	1:80:A:LYS:CA	1:80:A:LYS:C	1	0.28
(1,197)	1:80:A:LYS:CA	1:80:A:LYS:C	5	0.28
(1,197)	1:80:A:LYS:CA	1:80:A:LYS:C	9	0.28
(1,148)	1:79:A:GLN:CA	1:79:A:GLN:C	1	0.28
(1,148)	1:79:D:GLN:CA	1:79:D:GLN:C	2	0.28
(1,148)	1:79:E:GLN:CA	1:79:E:GLN:C	8	0.28
(1,148)	1:79:E:GLN:CA	1:79:E:GLN:C	9	0.28
(1,148)	1:79:D:GLN:CA	1:79:D:GLN:C	10	0.28
(1,122)	1:93:B:GLY:CA	1:93:B:GLY:C	2	0.28
(1,122)	1:93:D:GLY:CA	1:93:D:GLY:C	4	0.28
(1,122)	1:93:B:GLY:CA	1:93:B:GLY:C	7	0.28
(1,122)	1:93:C:GLY:CA	1:93:C:GLY:C	10	0.28
(1,4321)	1:96:A:LYS:CD	1:95:A:VAL:CG1	7	0.27
(1,4082)	1:77:E:VAL:C	1:79:E:GLN:CB	5	0.27
(1,4067)	1:77:E:VAL:C	1:79:E:GLN:CB	5	0.27
(1,3920)	1:48:E:VAL:CA	1:45:E:LYS:CD	7	0.27
(1,3852)	1:39:B:TYR:C	1:37:B:VAL:CB	3	0.27
(1,3706)	1:86:A:GLY:C	1:96:A:LYS:CG	10	0.27
(1,3543)	1:42:D:SER:CA	1:37:D:VAL:C	1	0.27
(1,3519)	1:80:A:LYS:CB	1:81:A:THR:CG2	1	0.27
(1,3519)	1:80:B:LYS:CB	1:81:B:THR:CG2	3	0.27
(1,3363)	1:79:E:GLN:CB	1:77:E:VAL:C	5	0.27
(1,3248)	1:88:B:ILE:C	1:81:B:THR:CB	8	0.27
(1,3058)	1:46:B:GLU:C	1:80:C:LYS:CA	7	0.27
(1,2985)	1:45:E:LYS:CD	1:48:E:VAL:CA	7	0.27
(1,2976)	1:83:C:GLU:CA	1:87:C:SER:CA	3	0.27
(1,2967)	1:83:C:GLU:CA	1:87:C:SER:CA	3	0.27
(1,2941)	1:42:A:SER:CA	1:45:A:LYS:CA	6	0.27
(1,2828)	1:88:A:ILE:CA	1:94:A:PHE:CA	3	0.27
(1,2472)	1:71:B:VAL:CA	1:73:B:GLY:CA	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2368)	1:82:C:VAL:CG1	1:88:C:ILE:CB	9	0.27
(1,2156)	1:53:C:ALA:C	1:51:C:GLY:CA	8	0.27
(1,1827)	1:95:B:VAL:CG1	1:97:B:LYS:CA	7	0.27
(1,1681)	1:79:E:GLN:CB	1:77:E:VAL:C	5	0.27
(1,1669)	1:80:C:LYS:CE	1:79:C:GLN:CA	3	0.27
(1,1608)	1:73:B:GLY:CA	1:71:B:VAL:CA	8	0.27
(1,1338)	1:82:C:VAL:CG1	1:94:C:PHE:CZ	8	0.27
(1,1296)	1:94:D:PHE:CB	1:94:D:PHE:CZ	2	0.27
(1,1296)	1:94:D:PHE:CB	1:94:D:PHE:CZ	4	0.27
(1,1296)	1:94:B:PHE:CB	1:94:B:PHE:CZ	5	0.27
(1,1296)	1:94:B:PHE:CB	1:94:B:PHE:CZ	7	0.27
(1,1293)	1:94:D:PHE:CA	1:94:D:PHE:CE1	4	0.27
(1,502)	1:45:E:LYS:CD	1:48:E:VAL:CA	7	0.27
(1,247)	1:68:A:GLY:C	1:68:A:GLY:CA	1	0.27
(1,247)	1:68:A:GLY:C	1:68:A:GLY:CA	3	0.27
(1,247)	1:68:B:GLY:C	1:68:B:GLY:CA	4	0.27
(1,247)	1:68:B:GLY:C	1:68:B:GLY:CA	6	0.27
(1,247)	1:68:A:GLY:C	1:68:A:GLY:CA	7	0.27
(1,247)	1:68:D:GLY:C	1:68:D:GLY:CA	8	0.27
(1,247)	1:68:D:GLY:C	1:68:D:GLY:CA	10	0.27
(1,235)	1:93:C:GLY:C	1:93:C:GLY:CA	1	0.27
(1,235)	1:93:E:GLY:C	1:93:E:GLY:CA	3	0.27
(1,235)	1:93:A:GLY:C	1:93:A:GLY:CA	6	0.27
(1,235)	1:93:B:GLY:C	1:93:B:GLY:CA	8	0.27
(1,197)	1:80:D:LYS:CA	1:80:D:LYS:C	2	0.27
(1,197)	1:80:B:LYS:CA	1:80:B:LYS:C	3	0.27
(1,197)	1:80:D:LYS:CA	1:80:D:LYS:C	4	0.27
(1,197)	1:80:D:LYS:CA	1:80:D:LYS:C	6	0.27
(1,197)	1:80:D:LYS:CA	1:80:D:LYS:C	10	0.27
(1,133)	1:91:A:ALA:CA	1:91:A:ALA:CB	3	0.27
(1,133)	1:91:A:ALA:CA	1:91:A:ALA:CB	6	0.27
(1,133)	1:91:A:ALA:CA	1:91:A:ALA:CB	7	0.27
(1,133)	1:91:A:ALA:CA	1:91:A:ALA:CB	10	0.27
(1,122)	1:93:C:GLY:CA	1:93:C:GLY:C	1	0.27
(1,122)	1:93:E:GLY:CA	1:93:E:GLY:C	3	0.27
(1,122)	1:93:A:GLY:CA	1:93:A:GLY:C	6	0.27
(1,122)	1:93:B:GLY:CA	1:93:B:GLY:C	8	0.27
(1,5)	1:91:A:ALA:CB	1:91:A:ALA:CA	3	0.27
(1,5)	1:91:A:ALA:CB	1:91:A:ALA:CA	6	0.27
(1,5)	1:91:A:ALA:CB	1:91:A:ALA:CA	7	0.27
(1,5)	1:91:A:ALA:CB	1:91:A:ALA:CA	10	0.27
(1,4332)	1:50:A:HIS:CB	1:48:A:VAL:CB	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4322)	1:50:A:HIS:CB	1:48:A:VAL:CB	6	0.26
(1,4321)	1:96:B:LYS:CD	1:95:B:VAL:CG1	6	0.26
(1,4191)	1:58:B:LYS:CD	1:61:B:GLU:CG	6	0.26
(1,4191)	1:58:D:LYS:CD	1:61:D:GLU:CG	10	0.26
(1,4142)	1:80:A:LYS:C	1:82:A:VAL:CB	6	0.26
(1,4140)	1:80:A:LYS:C	1:82:A:VAL:CB	6	0.26
(1,4136)	1:80:A:LYS:C	1:82:A:VAL:CB	6	0.26
(1,4057)	1:55:A:VAL:C	1:57:A:GLU:CB	8	0.26
(1,3905)	1:61:A:GLU:CA	1:58:A:LYS:CD	10	0.26
(1,3897)	1:61:A:GLU:CA	1:58:A:LYS:CD	10	0.26
(1,3883)	1:61:A:GLU:CA	1:58:A:LYS:CD	10	0.26
(1,3878)	1:61:A:GLU:CA	1:58:A:LYS:CD	10	0.26
(1,3750)	1:79:C:GLN:CD	1:80:C:LYS:CG	2	0.26
(1,3543)	1:42:D:SER:CA	1:37:D:VAL:C	10	0.26
(1,3519)	1:80:B:LYS:CB	1:81:B:THR:CG2	6	0.26
(1,3380)	1:47:B:GLY:C	1:77:C:VAL:C	9	0.26
(1,3373)	1:98:C:ASP:CB	1:96:C:LYS:C	4	0.26
(1,3346)	1:72:D:THR:CB	1:64:C:THR:C	6	0.26
(1,3307)	1:49:D:VAL:C	1:51:E:GLY:C	2	0.26
(1,3104)	1:81:E:THR:CB	1:82:E:VAL:CA	7	0.26
(1,3089)	1:88:D:ILE:CA	1:81:D:THR:CA	5	0.26
(1,3036)	1:71:C:VAL:CG2	1:70:C:VAL:CA	4	0.26
(1,2976)	1:83:D:GLU:CA	1:87:D:SER:CA	9	0.26
(1,2967)	1:83:D:GLU:CA	1:87:D:SER:CA	9	0.26
(1,2905)	1:93:A:GLY:CA	1:96:A:LYS:CA	8	0.26
(1,2835)	1:58:A:LYS:CD	1:61:A:GLU:CA	10	0.26
(1,2822)	1:58:A:LYS:CD	1:61:A:GLU:CA	10	0.26
(1,2806)	1:58:A:LYS:CD	1:61:A:GLU:CA	10	0.26
(1,2671)	1:55:D:VAL:CG1	1:57:D:GLU:CA	6	0.26
(1,2670)	1:55:D:VAL:CG1	1:57:D:GLU:CA	6	0.26
(1,2380)	1:97:B:LYS:C	1:97:B:LYS:CE	8	0.26
(1,2380)	1:97:C:LYS:C	1:97:C:LYS:CE	10	0.26
(1,2334)	1:44:A:THR:C	1:46:A:GLU:CB	2	0.26
(1,2317)	1:61:A:GLU:CA	1:58:A:LYS:CD	10	0.26
(1,2308)	1:82:D:VAL:CG2	1:79:D:GLN:CA	7	0.26
(1,2161)	1:88:C:ILE:C	1:79:D:GLN:CG	9	0.26
(1,2049)	1:80:C:LYS:CG	1:79:C:GLN:CD	2	0.26
(1,2013)	1:95:B:VAL:CB	1:96:B:LYS:CD	5	0.26
(1,1908)	1:82:E:VAL:CA	1:81:E:THR:CB	7	0.26
(1,1693)	1:80:D:LYS:CD	1:46:C:GLU:CG	7	0.26
(1,1669)	1:80:A:LYS:CE	1:79:A:GLN:CA	1	0.26
(1,1653)	1:46:C:GLU:CG	1:80:D:LYS:CD	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:92:B:THR:CA	1:90:B:ALA:CA	10	0.26
(1,1510)	1:58:B:LYS:CD	1:61:B:GLU:CG	6	0.26
(1,1510)	1:58:D:LYS:CD	1:61:D:GLU:CG	10	0.26
(1,1044)	1:89:B:ALA:CA	1:88:B:ILE:CG2	5	0.26
(1,1021)	1:79:C:GLN:CD	1:80:C:LYS:CG	2	0.26
(1,927)	1:82:A:VAL:CB	1:80:A:LYS:C	6	0.26
(1,793)	1:77:C:VAL:CA	1:75:C:THR:CA	4	0.26
(1,723)	1:88:B:ILE:CG2	1:89:B:ALA:CA	5	0.26
(1,553)	1:48:A:VAL:CB	1:50:A:HIS:CB	6	0.26
(1,417)	1:79:C:GLN:CD	1:80:C:LYS:CG	2	0.26
(1,414)	1:40:B:VAL:C	1:37:B:VAL:CB	2	0.26
(1,247)	1:68:B:GLY:C	1:68:B:GLY:CA	2	0.26
(1,247)	1:68:A:GLY:C	1:68:A:GLY:CA	5	0.26
(1,247)	1:68:D:GLY:C	1:68:D:GLY:CA	9	0.26
(1,227)	1:81:D:THR:CB	1:81:D:THR:CG2	1	0.26
(1,227)	1:81:A:THR:CB	1:81:A:THR:CG2	3	0.26
(1,227)	1:81:A:THR:CB	1:81:A:THR:CG2	6	0.26
(1,227)	1:81:D:THR:CB	1:81:D:THR:CG2	9	0.26
(1,220)	1:92:B:THR:CB	1:92:B:THR:CA	1	0.26
(1,220)	1:92:A:THR:CB	1:92:A:THR:CA	2	0.26
(1,220)	1:92:C:THR:CB	1:92:C:THR:CA	3	0.26
(1,220)	1:92:B:THR:CB	1:92:B:THR:CA	4	0.26
(1,220)	1:92:E:THR:CB	1:92:E:THR:CA	5	0.26
(1,220)	1:92:D:THR:CB	1:92:D:THR:CA	6	0.26
(1,220)	1:92:C:THR:CB	1:92:C:THR:CA	7	0.26
(1,220)	1:92:D:THR:CB	1:92:D:THR:CA	9	0.26
(1,220)	1:92:C:THR:CB	1:92:C:THR:CA	10	0.26
(1,204)	1:75:C:THR:CA	1:75:C:THR:C	1	0.26
(1,204)	1:75:D:THR:CA	1:75:D:THR:C	2	0.26
(1,204)	1:75:E:THR:CA	1:75:E:THR:C	3	0.26
(1,204)	1:75:B:THR:CA	1:75:B:THR:C	4	0.26
(1,204)	1:75:C:THR:CA	1:75:C:THR:C	6	0.26
(1,204)	1:75:B:THR:CA	1:75:B:THR:C	8	0.26
(1,204)	1:75:B:THR:CA	1:75:B:THR:C	9	0.26
(1,201)	1:92:B:THR:CA	1:92:B:THR:CB	1	0.26
(1,201)	1:92:A:THR:CA	1:92:A:THR:CB	2	0.26
(1,201)	1:92:C:THR:CA	1:92:C:THR:CB	3	0.26
(1,201)	1:92:B:THR:CA	1:92:B:THR:CB	4	0.26
(1,201)	1:92:E:THR:CA	1:92:E:THR:CB	5	0.26
(1,201)	1:92:D:THR:CA	1:92:D:THR:CB	6	0.26
(1,201)	1:92:C:THR:CA	1:92:C:THR:CB	7	0.26
(1,201)	1:92:D:THR:CA	1:92:D:THR:CB	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:92:C:THR:CA	1:92:C:THR:CB	10	0.26
(1,197)	1:80:A:LYS:CA	1:80:A:LYS:C	7	0.26
(1,197)	1:80:C:LYS:CA	1:80:C:LYS:C	8	0.26
(1,165)	1:89:D:ALA:CA	1:89:D:ALA:CB	2	0.26
(1,133)	1:91:A:ALA:CA	1:91:A:ALA:CB	1	0.26
(1,133)	1:91:C:ALA:CA	1:91:C:ALA:CB	2	0.26
(1,133)	1:91:B:ALA:CA	1:91:B:ALA:CB	4	0.26
(1,133)	1:91:B:ALA:CA	1:91:B:ALA:CB	5	0.26
(1,133)	1:91:B:ALA:CA	1:91:B:ALA:CB	8	0.26
(1,133)	1:91:D:ALA:CA	1:91:D:ALA:CB	9	0.26
(1,117)	1:67:B:GLY:CA	1:67:B:GLY:C	4	0.26
(1,117)	1:67:A:GLY:CA	1:67:A:GLY:C	6	0.26
(1,117)	1:67:D:GLY:CA	1:67:D:GLY:C	8	0.26
(1,73)	1:57:C:GLU:CG	1:57:C:GLU:CD	1	0.26
(1,73)	1:57:E:GLU:CG	1:57:E:GLU:CD	2	0.26
(1,73)	1:57:C:GLU:CG	1:57:C:GLU:CD	3	0.26
(1,73)	1:57:E:GLU:CG	1:57:E:GLU:CD	4	0.26
(1,73)	1:57:D:GLU:CG	1:57:D:GLU:CD	5	0.26
(1,73)	1:57:B:GLU:CG	1:57:B:GLU:CD	7	0.26
(1,73)	1:57:B:GLU:CG	1:57:B:GLU:CD	8	0.26
(1,73)	1:57:B:GLU:CG	1:57:B:GLU:CD	9	0.26
(1,73)	1:57:A:GLU:CG	1:57:A:GLU:CD	10	0.26
(1,72)	1:70:D:VAL:CB	1:70:D:VAL:CA	1	0.26
(1,72)	1:70:C:VAL:CB	1:70:C:VAL:CA	2	0.26
(1,72)	1:70:D:VAL:CB	1:70:D:VAL:CA	3	0.26
(1,72)	1:70:D:VAL:CB	1:70:D:VAL:CA	5	0.26
(1,72)	1:70:D:VAL:CB	1:70:D:VAL:CA	6	0.26
(1,72)	1:70:A:VAL:CB	1:70:A:VAL:CA	7	0.26
(1,72)	1:70:A:VAL:CB	1:70:A:VAL:CA	8	0.26
(1,72)	1:70:A:VAL:CB	1:70:A:VAL:CA	10	0.26
(1,50)	1:89:D:ALA:CB	1:89:D:ALA:CA	2	0.26
(1,5)	1:91:A:ALA:CB	1:91:A:ALA:CA	1	0.26
(1,5)	1:91:C:ALA:CB	1:91:C:ALA:CA	2	0.26
(1,5)	1:91:B:ALA:CB	1:91:B:ALA:CA	4	0.26
(1,5)	1:91:B:ALA:CB	1:91:B:ALA:CA	5	0.26
(1,5)	1:91:B:ALA:CB	1:91:B:ALA:CA	8	0.26
(1,5)	1:91:D:ALA:CB	1:91:D:ALA:CA	9	0.26
(1,3)	1:81:D:THR:CG2	1:81:D:THR:CB	1	0.26
(1,3)	1:81:A:THR:CG2	1:81:A:THR:CB	3	0.26
(1,3)	1:81:A:THR:CG2	1:81:A:THR:CB	6	0.26
(1,3)	1:81:D:THR:CG2	1:81:D:THR:CB	9	0.26
(1,4332)	1:50:D:HIS:CB	1:48:D:VAL:CB	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4332)	1:50:A:HIS:CB	1:48:A:VAL:CB	10	0.25
(1,4322)	1:50:D:HIS:CB	1:48:D:VAL:CB	8	0.25
(1,4322)	1:50:A:HIS:CB	1:48:A:VAL:CB	10	0.25
(1,4191)	1:58:C:LYS:CD	1:61:C:GLU:CG	7	0.25
(1,4191)	1:58:C:LYS:CD	1:61:C:GLU:CG	8	0.25
(1,3973)	1:46:A:GLU:CA	1:80:B:LYS:CD	3	0.25
(1,3936)	1:82:C:VAL:CA	1:89:C:ALA:CB	9	0.25
(1,3800)	1:83:C:GLU:CA	1:88:C:ILE:CG1	3	0.25
(1,3701)	1:96:C:LYS:CA	1:97:C:LYS:CG	6	0.25
(1,3695)	1:94:B:PHE:C	1:97:B:LYS:CG	8	0.25
(1,3110)	1:89:C:ALA:CB	1:82:C:VAL:CA	9	0.25
(1,3066)	1:89:D:ALA:CB	1:77:D:VAL:CA	5	0.25
(1,3064)	1:48:A:VAL:CA	1:77:B:VAL:CA	2	0.25
(1,2976)	1:83:B:GLU:CA	1:87:B:SER:CA	1	0.25
(1,2967)	1:83:B:GLU:CA	1:87:B:SER:CA	1	0.25
(1,2701)	1:78:C:ALA:CB	1:90:B:ALA:CA	4	0.25
(1,2671)	1:55:B:VAL:CG1	1:57:B:GLU:CA	8	0.25
(1,2670)	1:55:B:VAL:CG1	1:57:B:GLU:CA	8	0.25
(1,2635)	1:45:B:LYS:CG	1:47:B:GLY:CA	9	0.25
(1,2613)	1:77:D:VAL:CG1	1:47:C:GLY:CA	6	0.25
(1,2572)	1:96:A:LYS:CA	1:86:B:GLY:CA	4	0.25
(1,2466)	1:94:A:PHE:CA	1:68:A:GLY:CA	8	0.25
(1,2411)	1:45:A:LYS:C	1:45:A:LYS:CE	2	0.25
(1,1996)	1:97:D:LYS:CE	1:68:E:GLY:CA	9	0.25
(1,1772)	1:78:C:ALA:CB	1:90:B:ALA:CA	4	0.25
(1,1510)	1:58:C:LYS:CD	1:61:C:GLU:CG	7	0.25
(1,1510)	1:58:C:LYS:CD	1:61:C:GLU:CG	8	0.25
(1,1361)	1:86:A:GLY:CA	1:88:A:ILE:CD1	3	0.25
(1,1347)	1:68:D:GLY:CA	1:93:C:GLY:C	2	0.25
(1,1276)	1:81:A:THR:CB	1:83:A:GLU:CA	10	0.25
(1,1087)	1:70:B:VAL:CG2	1:66:B:VAL:CB	7	0.25
(1,848)	1:83:A:GLU:CA	1:81:A:THR:CB	10	0.25
(1,553)	1:48:D:VAL:CB	1:50:D:HIS:CB	8	0.25
(1,553)	1:48:A:VAL:CB	1:50:A:HIS:CB	10	0.25
(1,227)	1:81:E:THR:CB	1:81:E:THR:CG2	2	0.25
(1,227)	1:81:E:THR:CB	1:81:E:THR:CG2	4	0.25
(1,227)	1:81:C:THR:CB	1:81:C:THR:CG2	5	0.25
(1,227)	1:81:E:THR:CB	1:81:E:THR:CG2	7	0.25
(1,227)	1:81:C:THR:CB	1:81:C:THR:CG2	8	0.25
(1,227)	1:81:C:THR:CB	1:81:C:THR:CG2	10	0.25
(1,225)	1:44:A:THR:CB	1:44:A:THR:CA	2	0.25
(1,225)	1:44:C:THR:CB	1:44:C:THR:CA	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:92:A:THR:CB	1:92:A:THR:CA	8	0.25
(1,211)	1:42:A:SER:CB	1:42:A:SER:CA	1	0.25
(1,211)	1:42:E:SER:CB	1:42:E:SER:CA	2	0.25
(1,211)	1:42:A:SER:CB	1:42:A:SER:CA	3	0.25
(1,211)	1:42:A:SER:CB	1:42:A:SER:CA	5	0.25
(1,211)	1:42:B:SER:CB	1:42:B:SER:CA	6	0.25
(1,211)	1:42:A:SER:CB	1:42:A:SER:CA	8	0.25
(1,211)	1:42:A:SER:CB	1:42:A:SER:CA	9	0.25
(1,204)	1:75:A:THR:CA	1:75:A:THR:C	5	0.25
(1,204)	1:75:A:THR:CA	1:75:A:THR:C	7	0.25
(1,201)	1:92:A:THR:CA	1:92:A:THR:CB	8	0.25
(1,186)	1:44:A:THR:CA	1:44:A:THR:CB	2	0.25
(1,186)	1:44:C:THR:CA	1:44:C:THR:CB	8	0.25
(1,165)	1:89:B:ALA:CA	1:89:B:ALA:CB	3	0.25
(1,165)	1:89:D:ALA:CA	1:89:D:ALA:CB	5	0.25
(1,165)	1:89:C:ALA:CA	1:89:B:ALA:CB	10	0.25
(1,150)	1:79:D:GLN:CA	1:79:D:GLN:CB	2	0.25
(1,150)	1:79:D:GLN:CA	1:79:D:GLN:CB	3	0.25
(1,150)	1:79:E:GLN:CA	1:79:E:GLN:CB	4	0.25
(1,150)	1:79:D:GLN:CA	1:79:D:GLN:CB	5	0.25
(1,136)	1:69:A:ALA:CA	1:69:A:ALA:CB	1	0.25
(1,136)	1:69:C:ALA:CA	1:69:C:ALA:CB	2	0.25
(1,136)	1:69:C:ALA:CA	1:69:C:ALA:CB	3	0.25
(1,136)	1:69:D:ALA:CA	1:69:D:ALA:CB	4	0.25
(1,136)	1:69:E:ALA:CA	1:69:E:ALA:CB	5	0.25
(1,136)	1:69:A:ALA:CA	1:69:A:ALA:CB	6	0.25
(1,136)	1:69:A:ALA:CA	1:69:A:ALA:CB	7	0.25
(1,136)	1:69:B:ALA:CA	1:69:B:ALA:CB	8	0.25
(1,136)	1:69:A:ALA:CA	1:69:A:ALA:CB	9	0.25
(1,136)	1:69:C:ALA:CA	1:69:C:ALA:CB	10	0.25
(1,134)	1:78:E:ALA:CA	1:78:E:ALA:CB	2	0.25
(1,134)	1:78:B:ALA:CA	1:78:B:ALA:CB	7	0.25
(1,117)	1:67:C:GLY:CA	1:67:C:GLY:C	1	0.25
(1,117)	1:67:A:GLY:CA	1:67:A:GLY:C	2	0.25
(1,117)	1:67:D:GLY:CA	1:67:D:GLY:C	3	0.25
(1,117)	1:67:B:GLY:CA	1:67:B:GLY:C	5	0.25
(1,117)	1:67:C:GLY:CA	1:67:C:GLY:C	7	0.25
(1,117)	1:67:C:GLY:CA	1:67:C:GLY:C	9	0.25
(1,117)	1:67:B:GLY:CA	1:67:B:GLY:C	10	0.25
(1,102)	1:88:B:ILE:CD1	1:88:B:ILE:CG1	4	0.25
(1,102)	1:88:A:ILE:CD1	1:88:A:ILE:CG1	8	0.25
(1,97)	1:58:A:LYS:CE	1:58:A:LYS:CD	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:74:E:VAL:CG1	1:74:E:VAL:CB	1	0.25
(1,76)	1:74:A:VAL:CG2	1:74:A:VAL:CB	2	0.25
(1,76)	1:74:D:VAL:CG2	1:74:D:VAL:CB	3	0.25
(1,76)	1:74:B:VAL:CG2	1:74:B:VAL:CB	4	0.25
(1,76)	1:74:D:VAL:CG2	1:74:D:VAL:CB	6	0.25
(1,76)	1:74:E:VAL:CG1	1:74:E:VAL:CB	7	0.25
(1,76)	1:74:C:VAL:CG2	1:74:C:VAL:CB	8	0.25
(1,76)	1:74:C:VAL:CG2	1:74:C:VAL:CB	9	0.25
(1,76)	1:74:A:VAL:CG2	1:74:A:VAL:CB	10	0.25
(1,72)	1:70:C:VAL:CB	1:70:C:VAL:CA	4	0.25
(1,72)	1:70:D:VAL:CB	1:70:D:VAL:CA	9	0.25
(1,69)	1:74:E:VAL:CB	1:74:E:VAL:CG1	1	0.25
(1,69)	1:74:A:VAL:CB	1:74:A:VAL:CG2	2	0.25
(1,69)	1:74:D:VAL:CB	1:74:D:VAL:CG2	3	0.25
(1,69)	1:74:B:VAL:CB	1:74:B:VAL:CG2	4	0.25
(1,69)	1:74:D:VAL:CB	1:74:D:VAL:CG2	6	0.25
(1,69)	1:74:E:VAL:CB	1:74:E:VAL:CG1	7	0.25
(1,69)	1:74:C:VAL:CB	1:74:C:VAL:CG2	8	0.25
(1,69)	1:74:C:VAL:CB	1:74:C:VAL:CG2	9	0.25
(1,69)	1:74:A:VAL:CB	1:74:A:VAL:CG2	10	0.25
(1,63)	1:79:D:GLN:CB	1:79:D:GLN:CA	2	0.25
(1,63)	1:79:D:GLN:CB	1:79:D:GLN:CA	3	0.25
(1,63)	1:79:E:GLN:CB	1:79:E:GLN:CA	4	0.25
(1,63)	1:79:D:GLN:CB	1:79:D:GLN:CA	5	0.25
(1,50)	1:89:B:ALA:CB	1:89:B:ALA:CA	3	0.25
(1,50)	1:89:D:ALA:CB	1:89:D:ALA:CA	5	0.25
(1,50)	1:89:B:ALA:CB	1:89:C:ALA:CA	10	0.25
(1,44)	1:58:A:LYS:CD	1:58:A:LYS:CE	3	0.25
(1,34)	1:88:B:ILE:CG1	1:88:B:ILE:CD1	4	0.25
(1,34)	1:88:A:ILE:CG1	1:88:A:ILE:CD1	8	0.25
(1,17)	1:78:E:ALA:CB	1:78:E:ALA:CA	2	0.25
(1,17)	1:78:B:ALA:CB	1:78:B:ALA:CA	7	0.25
(1,7)	1:69:A:ALA:CB	1:69:A:ALA:CA	1	0.25
(1,7)	1:69:C:ALA:CB	1:69:C:ALA:CA	2	0.25
(1,7)	1:69:C:ALA:CB	1:69:C:ALA:CA	3	0.25
(1,7)	1:69:D:ALA:CB	1:69:D:ALA:CA	4	0.25
(1,7)	1:69:E:ALA:CB	1:69:E:ALA:CA	5	0.25
(1,7)	1:69:A:ALA:CB	1:69:A:ALA:CA	6	0.25
(1,7)	1:69:A:ALA:CB	1:69:A:ALA:CA	7	0.25
(1,7)	1:69:B:ALA:CB	1:69:B:ALA:CA	8	0.25
(1,7)	1:69:A:ALA:CB	1:69:A:ALA:CA	9	0.25
(1,7)	1:69:C:ALA:CB	1:69:C:ALA:CA	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:81:E:THR:CG2	1:81:E:THR:CB	2	0.25
(1,3)	1:81:E:THR:CG2	1:81:E:THR:CB	4	0.25
(1,3)	1:81:C:THR:CG2	1:81:C:THR:CB	5	0.25
(1,3)	1:81:E:THR:CG2	1:81:E:THR:CB	7	0.25
(1,3)	1:81:C:THR:CG2	1:81:C:THR:CB	8	0.25
(1,3)	1:81:C:THR:CG2	1:81:C:THR:CB	10	0.25
(1,4332)	1:50:B:HIS:CB	1:48:B:VAL:CB	3	0.24
(1,4322)	1:50:B:HIS:CB	1:48:B:VAL:CB	3	0.24
(1,4057)	1:55:A:VAL:C	1:57:A:GLU:CB	7	0.24
(1,3952)	1:94:E:PHE:CD1	1:96:E:LYS:CD	5	0.24
(1,3936)	1:82:E:VAL:CA	1:89:E:ALA:CB	1	0.24
(1,3905)	1:61:B:GLU:CA	1:58:B:LYS:CD	8	0.24
(1,3897)	1:61:B:GLU:CA	1:58:B:LYS:CD	8	0.24
(1,3883)	1:61:B:GLU:CA	1:58:B:LYS:CD	8	0.24
(1,3878)	1:61:B:GLU:CA	1:58:B:LYS:CD	8	0.24
(1,3852)	1:39:B:TYR:C	1:37:B:VAL:CB	4	0.24
(1,3850)	1:88:C:ILE:CD1	1:89:C:ALA:CB	5	0.24
(1,3745)	1:89:C:ALA:CB	1:88:C:ILE:CD1	5	0.24
(1,3605)	1:89:C:ALA:CB	1:88:C:ILE:CD1	5	0.24
(1,3519)	1:80:A:LYS:CB	1:81:A:THR:CG2	10	0.24
(1,3380)	1:47:D:GLY:C	1:77:E:VAL:C	1	0.24
(1,3341)	1:96:D:LYS:CA	1:68:D:GLY:C	3	0.24
(1,3110)	1:89:E:ALA:CB	1:82:E:VAL:CA	1	0.24
(1,3089)	1:88:A:ILE:CA	1:81:A:THR:CA	10	0.24
(1,3064)	1:48:C:VAL:CA	1:77:D:VAL:CA	9	0.24
(1,3006)	1:54:D:THR:CB	1:55:D:VAL:CG2	2	0.24
(1,2976)	1:83:A:GLU:CA	1:87:A:SER:CA	4	0.24
(1,2967)	1:83:A:GLU:CA	1:87:A:SER:CA	4	0.24
(1,2835)	1:58:B:LYS:CD	1:61:B:GLU:CA	8	0.24
(1,2822)	1:58:B:LYS:CD	1:61:B:GLU:CA	8	0.24
(1,2806)	1:58:B:LYS:CD	1:61:B:GLU:CA	8	0.24
(1,2759)	1:77:C:VAL:CG1	1:79:C:GLN:CA	8	0.24
(1,2742)	1:77:C:VAL:CG1	1:79:C:GLN:CA	8	0.24
(1,2384)	1:94:A:PHE:C	1:97:A:LYS:CE	5	0.24
(1,2317)	1:61:B:GLU:CA	1:58:B:LYS:CD	8	0.24
(1,2013)	1:95:C:VAL:CB	1:96:C:LYS:CD	1	0.24
(1,1693)	1:80:D:LYS:CD	1:46:C:GLU:CG	4	0.24
(1,1693)	1:80:E:LYS:CD	1:46:D:GLU:CG	6	0.24
(1,1669)	1:80:C:LYS:CE	1:79:C:GLN:CA	5	0.24
(1,1653)	1:46:C:GLU:CG	1:80:D:LYS:CD	4	0.24
(1,1653)	1:46:D:GLU:CG	1:80:E:LYS:CD	6	0.24
(1,1385)	1:88:C:ILE:CD1	1:89:C:ALA:CB	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:86:D:GLY:CA	1:84:D:GLY:CA	10	0.24
(1,793)	1:77:E:VAL:CA	1:75:E:THR:CA	5	0.24
(1,787)	1:79:C:GLN:CA	1:77:C:VAL:CG1	8	0.24
(1,553)	1:48:B:VAL:CB	1:50:B:HIS:CB	3	0.24
(1,414)	1:40:D:VAL:C	1:37:D:VAL:CB	5	0.24
(1,229)	1:81:C:THR:CB	1:81:C:THR:CA	1	0.24
(1,229)	1:81:D:THR:CB	1:81:D:THR:CA	2	0.24
(1,229)	1:81:B:THR:CB	1:81:B:THR:CA	3	0.24
(1,229)	1:81:A:THR:CB	1:81:A:THR:CA	4	0.24
(1,229)	1:81:A:THR:CB	1:81:A:THR:CA	5	0.24
(1,229)	1:81:D:THR:CB	1:81:D:THR:CA	6	0.24
(1,229)	1:81:A:THR:CB	1:81:A:THR:CA	7	0.24
(1,229)	1:81:A:THR:CB	1:81:A:THR:CA	8	0.24
(1,229)	1:81:C:THR:CB	1:81:C:THR:CA	9	0.24
(1,229)	1:81:A:THR:CB	1:81:A:THR:CA	10	0.24
(1,225)	1:44:B:THR:CB	1:44:B:THR:CA	1	0.24
(1,225)	1:44:A:THR:CB	1:44:A:THR:CA	3	0.24
(1,225)	1:44:D:THR:CB	1:44:D:THR:CA	4	0.24
(1,225)	1:44:C:THR:CB	1:44:C:THR:CA	5	0.24
(1,225)	1:44:B:THR:CB	1:44:B:THR:CA	6	0.24
(1,225)	1:44:B:THR:CB	1:44:B:THR:CA	7	0.24
(1,225)	1:44:E:THR:CB	1:44:E:THR:CA	9	0.24
(1,225)	1:44:E:THR:CB	1:44:E:THR:CA	10	0.24
(1,223)	1:75:C:THR:CB	1:75:C:THR:CA	2	0.24
(1,223)	1:75:D:THR:CB	1:75:D:THR:CA	3	0.24
(1,223)	1:75:A:THR:CB	1:75:A:THR:CA	4	0.24
(1,223)	1:75:B:THR:CB	1:75:B:THR:CA	5	0.24
(1,223)	1:75:C:THR:CB	1:75:C:THR:CA	6	0.24
(1,223)	1:75:C:THR:CB	1:75:C:THR:CA	7	0.24
(1,223)	1:75:D:THR:CB	1:75:D:THR:CA	8	0.24
(1,223)	1:75:A:THR:CB	1:75:A:THR:CA	9	0.24
(1,223)	1:75:E:THR:CB	1:75:E:THR:CA	10	0.24
(1,216)	1:72:D:THR:CB	1:72:D:THR:CA	9	0.24
(1,216)	1:72:B:THR:CB	1:72:B:THR:CA	10	0.24
(1,211)	1:42:E:SER:CB	1:42:E:SER:CA	4	0.24
(1,211)	1:42:B:SER:CB	1:42:B:SER:CA	7	0.24
(1,211)	1:42:C:SER:CB	1:42:C:SER:CA	10	0.24
(1,205)	1:75:C:THR:CA	1:75:C:THR:CB	2	0.24
(1,205)	1:75:D:THR:CA	1:75:D:THR:CB	3	0.24
(1,205)	1:75:A:THR:CA	1:75:A:THR:CB	4	0.24
(1,205)	1:75:B:THR:CA	1:75:B:THR:CB	5	0.24
(1,205)	1:75:C:THR:CA	1:75:C:THR:CB	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:75:C:THR:CA	1:75:C:THR:CB	7	0.24
(1,205)	1:75:D:THR:CA	1:75:D:THR:CB	8	0.24
(1,205)	1:75:A:THR:CA	1:75:A:THR:CB	9	0.24
(1,205)	1:75:E:THR:CA	1:75:E:THR:CB	10	0.24
(1,204)	1:75:B:THR:CA	1:75:B:THR:C	10	0.24
(1,200)	1:81:C:THR:CA	1:81:C:THR:CB	1	0.24
(1,200)	1:81:D:THR:CA	1:81:D:THR:CB	2	0.24
(1,200)	1:81:B:THR:CA	1:81:B:THR:CB	3	0.24
(1,200)	1:81:A:THR:CA	1:81:A:THR:CB	4	0.24
(1,200)	1:81:A:THR:CA	1:81:A:THR:CB	5	0.24
(1,200)	1:81:D:THR:CA	1:81:D:THR:CB	6	0.24
(1,200)	1:81:A:THR:CA	1:81:A:THR:CB	7	0.24
(1,200)	1:81:A:THR:CA	1:81:A:THR:CB	8	0.24
(1,200)	1:81:C:THR:CA	1:81:C:THR:CB	9	0.24
(1,200)	1:81:A:THR:CA	1:81:A:THR:CB	10	0.24
(1,186)	1:44:B:THR:CA	1:44:B:THR:CB	1	0.24
(1,186)	1:44:A:THR:CA	1:44:A:THR:CB	3	0.24
(1,186)	1:44:D:THR:CA	1:44:D:THR:CB	4	0.24
(1,186)	1:44:C:THR:CA	1:44:C:THR:CB	5	0.24
(1,186)	1:44:B:THR:CA	1:44:B:THR:CB	6	0.24
(1,186)	1:44:B:THR:CA	1:44:B:THR:CB	7	0.24
(1,186)	1:44:E:THR:CA	1:44:E:THR:CB	9	0.24
(1,186)	1:44:E:THR:CA	1:44:E:THR:CB	10	0.24
(1,185)	1:48:A:VAL:CA	1:48:A:VAL:CB	2	0.24
(1,181)	1:72:D:THR:CA	1:72:D:THR:CB	9	0.24
(1,181)	1:72:B:THR:CA	1:72:B:THR:CB	10	0.24
(1,165)	1:89:A:ALA:CA	1:89:B:ALA:CB	4	0.24
(1,165)	1:89:D:ALA:CA	1:89:E:ALA:CB	9	0.24
(1,155)	1:85:A:ALA:CA	1:85:A:ALA:CB	6	0.24
(1,150)	1:79:D:GLN:CA	1:79:D:GLN:CB	1	0.24
(1,150)	1:79:B:GLN:CA	1:79:B:GLN:CB	8	0.24
(1,150)	1:79:B:GLN:CA	1:79:B:GLN:CB	9	0.24
(1,150)	1:79:B:GLN:CA	1:79:B:GLN:CB	10	0.24
(1,147)	1:65:C:ASN:CA	1:65:C:ASN:C	1	0.24
(1,147)	1:65:A:ASN:CA	1:65:A:ASN:C	2	0.24
(1,147)	1:65:B:ASN:CA	1:65:B:ASN:C	3	0.24
(1,147)	1:65:A:ASN:CA	1:65:A:ASN:C	4	0.24
(1,147)	1:65:E:ASN:CA	1:65:E:ASN:C	5	0.24
(1,147)	1:65:E:ASN:CA	1:65:E:ASN:C	6	0.24
(1,147)	1:65:A:ASN:CA	1:65:A:ASN:C	7	0.24
(1,147)	1:65:A:ASN:CA	1:65:A:ASN:C	8	0.24
(1,147)	1:65:B:ASN:CA	1:65:B:ASN:C	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:65:A:ASN:CA	1:65:A:ASN:C	10	0.24
(1,134)	1:78:C:ALA:CA	1:78:C:ALA:CB	1	0.24
(1,134)	1:78:C:ALA:CA	1:78:C:ALA:CB	3	0.24
(1,134)	1:78:E:ALA:CA	1:78:E:ALA:CB	4	0.24
(1,134)	1:78:A:ALA:CA	1:78:A:ALA:CB	5	0.24
(1,134)	1:78:D:ALA:CA	1:78:D:ALA:CB	6	0.24
(1,134)	1:78:B:ALA:CA	1:78:B:ALA:CB	8	0.24
(1,134)	1:78:B:ALA:CA	1:78:B:ALA:CB	9	0.24
(1,134)	1:78:A:ALA:CA	1:78:A:ALA:CB	10	0.24
(1,126)	1:47:D:GLY:CA	1:47:D:GLY:C	2	0.24
(1,126)	1:47:A:GLY:CA	1:47:A:GLY:C	4	0.24
(1,126)	1:47:A:GLY:CA	1:47:A:GLY:C	5	0.24
(1,126)	1:47:D:GLY:CA	1:47:D:GLY:C	6	0.24
(1,126)	1:47:A:GLY:CA	1:47:A:GLY:C	7	0.24
(1,126)	1:47:E:GLY:CA	1:47:E:GLY:C	8	0.24
(1,126)	1:47:E:GLY:CA	1:47:E:GLY:C	9	0.24
(1,126)	1:47:E:GLY:CA	1:47:E:GLY:C	10	0.24
(1,102)	1:88:A:ILE:CD1	1:88:A:ILE:CG1	1	0.24
(1,102)	1:88:D:ILE:CD1	1:88:D:ILE:CG1	2	0.24
(1,102)	1:88:C:ILE:CD1	1:88:C:ILE:CG1	3	0.24
(1,102)	1:88:A:ILE:CD1	1:88:A:ILE:CG1	5	0.24
(1,102)	1:88:B:ILE:CD1	1:88:B:ILE:CG1	6	0.24
(1,102)	1:88:A:ILE:CD1	1:88:A:ILE:CG1	7	0.24
(1,102)	1:88:B:ILE:CD1	1:88:B:ILE:CG1	9	0.24
(1,102)	1:88:A:ILE:CD1	1:88:A:ILE:CG1	10	0.24
(1,97)	1:58:D:LYS:CE	1:58:D:LYS:CD	2	0.24
(1,97)	1:58:A:LYS:CE	1:58:A:LYS:CD	4	0.24
(1,97)	1:58:A:LYS:CE	1:58:A:LYS:CD	5	0.24
(1,97)	1:58:C:LYS:CE	1:58:C:LYS:CD	6	0.24
(1,97)	1:58:B:LYS:CE	1:58:B:LYS:CD	7	0.24
(1,97)	1:58:D:LYS:CE	1:58:D:LYS:CD	8	0.24
(1,97)	1:58:D:LYS:CE	1:58:D:LYS:CD	9	0.24
(1,93)	1:88:C:ILE:CB	1:88:C:ILE:CG1	3	0.24
(1,93)	1:88:B:ILE:CB	1:88:B:ILE:CG1	5	0.24
(1,93)	1:88:A:ILE:CB	1:88:A:ILE:CG1	7	0.24
(1,93)	1:88:B:ILE:CB	1:88:B:ILE:CG1	8	0.24
(1,93)	1:88:D:ILE:CB	1:88:D:ILE:CG1	9	0.24
(1,80)	1:48:A:VAL:CB	1:48:A:VAL:CA	2	0.24
(1,76)	1:74:D:VAL:CG1	1:74:D:VAL:CB	5	0.24
(1,69)	1:74:D:VAL:CB	1:74:D:VAL:CG1	5	0.24
(1,63)	1:79:D:GLN:CB	1:79:D:GLN:CA	1	0.24
(1,63)	1:79:B:GLN:CB	1:79:B:GLN:CA	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:79:B:GLN:CB	1:79:B:GLN:CA	9	0.24
(1,63)	1:79:B:GLN:CB	1:79:B:GLN:CA	10	0.24
(1,55)	1:80:D:LYS:CD	1:80:D:LYS:CG	1	0.24
(1,55)	1:80:D:LYS:CD	1:80:D:LYS:CG	2	0.24
(1,55)	1:80:C:LYS:CD	1:80:C:LYS:CG	4	0.24
(1,55)	1:80:A:LYS:CD	1:80:A:LYS:CG	6	0.24
(1,55)	1:80:B:LYS:CD	1:80:B:LYS:CG	8	0.24
(1,55)	1:80:E:LYS:CD	1:80:E:LYS:CG	9	0.24
(1,55)	1:80:D:LYS:CD	1:80:D:LYS:CG	10	0.24
(1,50)	1:89:B:ALA:CB	1:89:A:ALA:CA	4	0.24
(1,50)	1:89:E:ALA:CB	1:89:D:ALA:CA	9	0.24
(1,46)	1:58:B:LYS:CD	1:58:B:LYS:CG	1	0.24
(1,46)	1:58:B:LYS:CD	1:58:B:LYS:CG	2	0.24
(1,46)	1:58:D:LYS:CD	1:58:D:LYS:CG	3	0.24
(1,46)	1:58:E:LYS:CD	1:58:E:LYS:CG	4	0.24
(1,46)	1:58:C:LYS:CD	1:58:C:LYS:CG	5	0.24
(1,46)	1:58:E:LYS:CD	1:58:E:LYS:CG	6	0.24
(1,46)	1:58:A:LYS:CD	1:58:A:LYS:CG	7	0.24
(1,46)	1:58:C:LYS:CD	1:58:C:LYS:CG	8	0.24
(1,46)	1:58:B:LYS:CD	1:58:B:LYS:CG	9	0.24
(1,46)	1:58:D:LYS:CD	1:58:D:LYS:CG	10	0.24
(1,44)	1:58:D:LYS:CD	1:58:D:LYS:CE	2	0.24
(1,44)	1:58:A:LYS:CD	1:58:A:LYS:CE	4	0.24
(1,44)	1:58:A:LYS:CD	1:58:A:LYS:CE	5	0.24
(1,44)	1:58:C:LYS:CD	1:58:C:LYS:CE	6	0.24
(1,44)	1:58:B:LYS:CD	1:58:B:LYS:CE	7	0.24
(1,44)	1:58:D:LYS:CD	1:58:D:LYS:CE	8	0.24
(1,44)	1:58:D:LYS:CD	1:58:D:LYS:CE	9	0.24
(1,37)	1:85:A:ALA:CB	1:85:A:ALA:CA	6	0.24
(1,35)	1:88:C:ILE:CG1	1:88:C:ILE:CB	3	0.24
(1,35)	1:88:B:ILE:CG1	1:88:B:ILE:CB	5	0.24
(1,35)	1:88:A:ILE:CG1	1:88:A:ILE:CB	7	0.24
(1,35)	1:88:B:ILE:CG1	1:88:B:ILE:CB	8	0.24
(1,35)	1:88:D:ILE:CG1	1:88:D:ILE:CB	9	0.24
(1,34)	1:88:A:ILE:CG1	1:88:A:ILE:CD1	1	0.24
(1,34)	1:88:D:ILE:CG1	1:88:D:ILE:CD1	2	0.24
(1,34)	1:88:C:ILE:CG1	1:88:C:ILE:CD1	3	0.24
(1,34)	1:88:A:ILE:CG1	1:88:A:ILE:CD1	5	0.24
(1,34)	1:88:B:ILE:CG1	1:88:B:ILE:CD1	6	0.24
(1,34)	1:88:A:ILE:CG1	1:88:A:ILE:CD1	7	0.24
(1,34)	1:88:B:ILE:CG1	1:88:B:ILE:CD1	9	0.24
(1,34)	1:88:A:ILE:CG1	1:88:A:ILE:CD1	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:80:D:LYS:CG	1:80:D:LYS:CD	1	0.24
(1,29)	1:80:D:LYS:CG	1:80:D:LYS:CD	2	0.24
(1,29)	1:80:C:LYS:CG	1:80:C:LYS:CD	4	0.24
(1,29)	1:80:A:LYS:CG	1:80:A:LYS:CD	6	0.24
(1,29)	1:80:B:LYS:CG	1:80:B:LYS:CD	8	0.24
(1,29)	1:80:E:LYS:CG	1:80:E:LYS:CD	9	0.24
(1,29)	1:80:D:LYS:CG	1:80:D:LYS:CD	10	0.24
(1,21)	1:58:B:LYS:CG	1:58:B:LYS:CD	1	0.24
(1,21)	1:58:B:LYS:CG	1:58:B:LYS:CD	2	0.24
(1,21)	1:58:D:LYS:CG	1:58:D:LYS:CD	3	0.24
(1,21)	1:58:E:LYS:CG	1:58:E:LYS:CD	4	0.24
(1,21)	1:58:C:LYS:CG	1:58:C:LYS:CD	5	0.24
(1,21)	1:58:E:LYS:CG	1:58:E:LYS:CD	6	0.24
(1,21)	1:58:A:LYS:CG	1:58:A:LYS:CD	7	0.24
(1,21)	1:58:C:LYS:CG	1:58:C:LYS:CD	8	0.24
(1,21)	1:58:B:LYS:CG	1:58:B:LYS:CD	9	0.24
(1,21)	1:58:D:LYS:CG	1:58:D:LYS:CD	10	0.24
(1,17)	1:78:C:ALA:CB	1:78:C:ALA:CA	1	0.24
(1,17)	1:78:C:ALA:CB	1:78:C:ALA:CA	3	0.24
(1,17)	1:78:E:ALA:CB	1:78:E:ALA:CA	4	0.24
(1,17)	1:78:A:ALA:CB	1:78:A:ALA:CA	5	0.24
(1,17)	1:78:D:ALA:CB	1:78:D:ALA:CA	6	0.24
(1,17)	1:78:B:ALA:CB	1:78:B:ALA:CA	8	0.24
(1,17)	1:78:B:ALA:CB	1:78:B:ALA:CA	9	0.24
(1,17)	1:78:A:ALA:CB	1:78:A:ALA:CA	10	0.24
(1,4356)	1:95:A:VAL:CG1	1:98:A:ASP:CB	10	0.23
(1,4321)	1:96:D:LYS:CD	1:95:D:VAL:CG1	10	0.23
(1,4255)	1:73:B:GLY:CA	1:70:B:VAL:CB	8	0.23
(1,4236)	1:73:B:GLY:CA	1:70:B:VAL:CB	8	0.23
(1,4214)	1:64:D:THR:CB	1:63:D:VAL:CG1	5	0.23
(1,4097)	1:58:B:LYS:CE	1:61:B:GLU:CB	2	0.23
(1,4082)	1:77:D:VAL:C	1:79:D:GLN:CB	4	0.23
(1,4082)	1:77:E:VAL:C	1:79:E:GLN:CB	6	0.23
(1,4082)	1:77:E:VAL:C	1:79:E:GLN:CB	8	0.23
(1,4067)	1:77:D:VAL:C	1:79:D:GLN:CB	4	0.23
(1,4067)	1:77:E:VAL:C	1:79:E:GLN:CB	6	0.23
(1,4067)	1:77:E:VAL:C	1:79:E:GLN:CB	8	0.23
(1,3905)	1:61:B:GLU:CA	1:58:B:LYS:CD	9	0.23
(1,3897)	1:61:B:GLU:CA	1:58:B:LYS:CD	9	0.23
(1,3883)	1:61:B:GLU:CA	1:58:B:LYS:CD	9	0.23
(1,3878)	1:61:B:GLU:CA	1:58:B:LYS:CD	9	0.23
(1,3841)	1:82:C:VAL:CB	1:88:C:ILE:CG1	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3706)	1:86:B:GLY:C	1:96:B:LYS:CG	1	0.23
(1,3580)	1:58:A:LYS:CE	1:61:A:GLU:CD	6	0.23
(1,3363)	1:79:D:GLN:CB	1:77:D:VAL:C	4	0.23
(1,3363)	1:79:E:GLN:CB	1:77:E:VAL:C	6	0.23
(1,3363)	1:79:E:GLN:CB	1:77:E:VAL:C	8	0.23
(1,2835)	1:58:B:LYS:CD	1:61:B:GLU:CA	9	0.23
(1,2822)	1:58:B:LYS:CD	1:61:B:GLU:CA	9	0.23
(1,2806)	1:58:B:LYS:CD	1:61:B:GLU:CA	9	0.23
(1,2613)	1:77:D:VAL:CG1	1:47:C:GLY:CA	5	0.23
(1,2584)	1:69:D:ALA:CB	1:93:D:GLY:CA	2	0.23
(1,2579)	1:69:D:ALA:CB	1:93:D:GLY:CA	2	0.23
(1,2568)	1:82:C:VAL:CG1	1:86:B:GLY:CA	10	0.23
(1,2317)	1:61:B:GLU:CA	1:58:B:LYS:CD	9	0.23
(1,2308)	1:82:A:VAL:CG2	1:79:A:GLN:CA	1	0.23
(1,2161)	1:88:E:ILE:C	1:79:E:GLN:CG	6	0.23
(1,2059)	1:34:E:LYS:CA	1:37:E:VAL:C	8	0.23
(1,1883)	1:81:B:THR:CB	1:89:B:ALA:CA	4	0.23
(1,1883)	1:81:D:THR:CB	1:89:D:ALA:CA	9	0.23
(1,1831)	1:74:A:VAL:CG2	1:71:A:VAL:CB	6	0.23
(1,1829)	1:63:E:VAL:CG2	1:73:E:GLY:CA	3	0.23
(1,1681)	1:79:D:GLN:CB	1:77:D:VAL:C	4	0.23
(1,1681)	1:79:E:GLN:CB	1:77:E:VAL:C	6	0.23
(1,1681)	1:79:E:GLN:CB	1:77:E:VAL:C	8	0.23
(1,1627)	1:70:D:VAL:CA	1:94:C:PHE:CA	5	0.23
(1,1626)	1:58:A:LYS:CE	1:61:A:GLU:CD	6	0.23
(1,1459)	1:58:B:LYS:CE	1:61:B:GLU:CB	2	0.23
(1,1203)	1:82:C:VAL:CG1	1:86:B:GLY:CA	10	0.23
(1,719)	1:86:B:GLY:CA	1:82:C:VAL:CG1	10	0.23
(1,268)	1:88:B:ILE:CG2	1:88:B:ILE:CB	1	0.23
(1,268)	1:88:A:ILE:CG2	1:88:A:ILE:CB	3	0.23
(1,268)	1:88:D:ILE:CG2	1:88:D:ILE:CB	7	0.23
(1,223)	1:75:D:THR:CB	1:75:D:THR:CA	1	0.23
(1,216)	1:72:A:THR:CB	1:72:A:THR:CA	1	0.23
(1,216)	1:72:D:THR:CB	1:72:D:THR:CA	2	0.23
(1,216)	1:72:E:THR:CB	1:72:E:THR:CA	3	0.23
(1,216)	1:72:E:THR:CB	1:72:E:THR:CA	4	0.23
(1,216)	1:72:A:THR:CB	1:72:A:THR:CA	6	0.23
(1,216)	1:72:E:THR:CB	1:72:E:THR:CA	7	0.23
(1,205)	1:75:D:THR:CA	1:75:D:THR:CB	1	0.23
(1,185)	1:48:D:VAL:CA	1:48:D:VAL:CB	1	0.23
(1,185)	1:48:D:VAL:CA	1:48:D:VAL:CB	7	0.23
(1,185)	1:48:A:VAL:CA	1:48:A:VAL:CB	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:48:C:VAL:CA	1:48:C:VAL:CB	9	0.23
(1,181)	1:72:A:THR:CA	1:72:A:THR:CB	1	0.23
(1,181)	1:72:D:THR:CA	1:72:D:THR:CB	2	0.23
(1,181)	1:72:E:THR:CA	1:72:E:THR:CB	3	0.23
(1,181)	1:72:E:THR:CA	1:72:E:THR:CB	4	0.23
(1,181)	1:72:A:THR:CA	1:72:A:THR:CB	6	0.23
(1,181)	1:72:E:THR:CA	1:72:E:THR:CB	7	0.23
(1,155)	1:85:C:ALA:CA	1:85:C:ALA:CB	1	0.23
(1,155)	1:85:C:ALA:CA	1:85:C:ALA:CB	2	0.23
(1,155)	1:85:C:ALA:CA	1:85:C:ALA:CB	3	0.23
(1,155)	1:85:E:ALA:CA	1:85:E:ALA:CB	4	0.23
(1,155)	1:85:D:ALA:CA	1:85:D:ALA:CB	5	0.23
(1,155)	1:85:D:ALA:CA	1:85:D:ALA:CB	7	0.23
(1,155)	1:85:C:ALA:CA	1:85:C:ALA:CB	8	0.23
(1,155)	1:85:B:ALA:CA	1:85:B:ALA:CB	9	0.23
(1,155)	1:85:D:ALA:CA	1:85:D:ALA:CB	10	0.23
(1,150)	1:79:B:GLN:CA	1:79:B:GLN:CB	6	0.23
(1,150)	1:79:A:GLN:CA	1:79:A:GLN:CB	7	0.23
(1,126)	1:47:A:GLY:CA	1:47:A:GLY:C	1	0.23
(1,126)	1:47:A:GLY:CA	1:47:A:GLY:C	3	0.23
(1,97)	1:58:E:LYS:CE	1:58:E:LYS:CD	1	0.23
(1,97)	1:58:B:LYS:CE	1:58:B:LYS:CD	10	0.23
(1,93)	1:88:A:ILE:CB	1:88:A:ILE:CG1	1	0.23
(1,93)	1:88:B:ILE:CB	1:88:B:ILE:CG1	2	0.23
(1,93)	1:88:E:ILE:CB	1:88:E:ILE:CG1	4	0.23
(1,93)	1:88:D:ILE:CB	1:88:D:ILE:CG1	6	0.23
(1,93)	1:88:C:ILE:CB	1:88:C:ILE:CG1	10	0.23
(1,92)	1:88:B:ILE:CB	1:88:B:ILE:CG2	1	0.23
(1,92)	1:88:A:ILE:CB	1:88:A:ILE:CG2	3	0.23
(1,92)	1:88:D:ILE:CB	1:88:D:ILE:CG2	7	0.23
(1,80)	1:48:D:VAL:CB	1:48:D:VAL:CA	1	0.23
(1,80)	1:48:D:VAL:CB	1:48:D:VAL:CA	7	0.23
(1,80)	1:48:A:VAL:CB	1:48:A:VAL:CA	8	0.23
(1,80)	1:48:C:VAL:CB	1:48:C:VAL:CA	9	0.23
(1,63)	1:79:B:GLN:CB	1:79:B:GLN:CA	6	0.23
(1,63)	1:79:A:GLN:CB	1:79:A:GLN:CA	7	0.23
(1,55)	1:80:E:LYS:CD	1:80:E:LYS:CG	3	0.23
(1,55)	1:80:A:LYS:CD	1:80:A:LYS:CG	5	0.23
(1,44)	1:58:E:LYS:CD	1:58:E:LYS:CE	1	0.23
(1,44)	1:58:B:LYS:CD	1:58:B:LYS:CE	10	0.23
(1,37)	1:85:C:ALA:CB	1:85:C:ALA:CA	1	0.23
(1,37)	1:85:C:ALA:CB	1:85:C:ALA:CA	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:85:C:ALA:CB	1:85:C:ALA:CA	3	0.23
(1,37)	1:85:E:ALA:CB	1:85:E:ALA:CA	4	0.23
(1,37)	1:85:D:ALA:CB	1:85:D:ALA:CA	5	0.23
(1,37)	1:85:D:ALA:CB	1:85:D:ALA:CA	7	0.23
(1,37)	1:85:C:ALA:CB	1:85:C:ALA:CA	8	0.23
(1,37)	1:85:B:ALA:CB	1:85:B:ALA:CA	9	0.23
(1,37)	1:85:D:ALA:CB	1:85:D:ALA:CA	10	0.23
(1,35)	1:88:A:ILE:CG1	1:88:A:ILE:CB	1	0.23
(1,35)	1:88:B:ILE:CG1	1:88:B:ILE:CB	2	0.23
(1,35)	1:88:E:ILE:CG1	1:88:E:ILE:CB	4	0.23
(1,35)	1:88:D:ILE:CG1	1:88:D:ILE:CB	6	0.23
(1,35)	1:88:C:ILE:CG1	1:88:C:ILE:CB	10	0.23
(1,29)	1:80:E:LYS:CG	1:80:E:LYS:CD	3	0.23
(1,29)	1:80:A:LYS:CG	1:80:A:LYS:CD	5	0.23
(1,4344)	1:80:C:LYS:CB	1:48:B:VAL:CB	7	0.22
(1,4246)	1:65:C:ASN:CA	1:70:C:VAL:CB	4	0.22
(1,4057)	1:55:A:VAL:C	1:57:A:GLU:CB	4	0.22
(1,4057)	1:55:C:VAL:C	1:57:C:GLU:CB	9	0.22
(1,3936)	1:82:C:VAL:CA	1:89:B:ALA:CB	8	0.22
(1,3905)	1:61:D:GLU:CA	1:58:D:LYS:CD	2	0.22
(1,3905)	1:61:B:GLU:CA	1:58:B:LYS:CD	7	0.22
(1,3897)	1:61:D:GLU:CA	1:58:D:LYS:CD	2	0.22
(1,3897)	1:61:B:GLU:CA	1:58:B:LYS:CD	7	0.22
(1,3883)	1:61:D:GLU:CA	1:58:D:LYS:CD	2	0.22
(1,3883)	1:61:B:GLU:CA	1:58:B:LYS:CD	7	0.22
(1,3878)	1:61:D:GLU:CA	1:58:D:LYS:CD	2	0.22
(1,3878)	1:61:B:GLU:CA	1:58:B:LYS:CD	7	0.22
(1,3415)	1:96:C:LYS:CB	1:94:C:PHE:C	6	0.22
(1,3110)	1:89:B:ALA:CB	1:82:C:VAL:CA	8	0.22
(1,3006)	1:54:D:THR:CB	1:55:D:VAL:CG2	4	0.22
(1,3006)	1:54:A:THR:CB	1:55:A:VAL:CG2	9	0.22
(1,2941)	1:42:E:SER:CA	1:45:E:LYS:CA	2	0.22
(1,2935)	1:48:C:VAL:CA	1:45:C:LYS:CA	4	0.22
(1,2835)	1:58:D:LYS:CD	1:61:D:GLU:CA	2	0.22
(1,2835)	1:58:B:LYS:CD	1:61:B:GLU:CA	7	0.22
(1,2822)	1:58:D:LYS:CD	1:61:D:GLU:CA	2	0.22
(1,2822)	1:58:B:LYS:CD	1:61:B:GLU:CA	7	0.22
(1,2806)	1:58:D:LYS:CD	1:61:D:GLU:CA	2	0.22
(1,2806)	1:58:B:LYS:CD	1:61:B:GLU:CA	7	0.22
(1,2733)	1:70:C:VAL:CB	1:65:C:ASN:CA	4	0.22
(1,2513)	1:83:A:GLU:CB	1:84:A:GLY:CA	7	0.22
(1,2466)	1:94:E:PHE:CA	1:68:E:GLY:CA	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2419)	1:46:D:GLU:CB	1:80:E:LYS:CE	2	0.22
(1,2317)	1:61:D:GLU:CA	1:58:D:LYS:CD	2	0.22
(1,2317)	1:61:B:GLU:CA	1:58:B:LYS:CD	7	0.22
(1,2308)	1:82:D:VAL:CG2	1:79:D:GLN:CA	10	0.22
(1,2285)	1:79:A:GLN:C	1:89:A:ALA:CB	9	0.22
(1,2013)	1:95:B:VAL:CB	1:96:B:LYS:CD	7	0.22
(1,2007)	1:70:D:VAL:CB	1:67:D:GLY:CA	4	0.22
(1,1831)	1:74:A:VAL:CG2	1:71:A:VAL:CB	3	0.22
(1,1829)	1:63:E:VAL:CG2	1:73:E:GLY:CA	5	0.22
(1,1784)	1:70:D:VAL:CG2	1:66:D:VAL:C	1	0.22
(1,1693)	1:80:E:LYS:CD	1:46:D:GLU:CG	5	0.22
(1,1669)	1:80:D:LYS:CE	1:79:D:GLN:CA	6	0.22
(1,1659)	1:83:A:GLU:CB	1:84:A:GLY:CA	7	0.22
(1,1653)	1:46:D:GLU:CG	1:80:E:LYS:CD	5	0.22
(1,1361)	1:86:A:GLY:CA	1:88:A:ILE:CD1	1	0.22
(1,268)	1:88:A:ILE:CG2	1:88:A:ILE:CB	2	0.22
(1,268)	1:88:A:ILE:CG2	1:88:A:ILE:CB	4	0.22
(1,268)	1:88:E:ILE:CG2	1:88:E:ILE:CB	5	0.22
(1,268)	1:88:C:ILE:CG2	1:88:C:ILE:CB	6	0.22
(1,268)	1:88:B:ILE:CG2	1:88:B:ILE:CB	8	0.22
(1,268)	1:88:C:ILE:CG2	1:88:C:ILE:CB	9	0.22
(1,268)	1:88:D:ILE:CG2	1:88:D:ILE:CB	10	0.22
(1,216)	1:72:C:THR:CB	1:72:C:THR:CA	5	0.22
(1,216)	1:72:C:THR:CB	1:72:C:THR:CA	8	0.22
(1,185)	1:48:B:VAL:CA	1:48:B:VAL:CB	3	0.22
(1,185)	1:48:E:VAL:CA	1:48:E:VAL:CB	4	0.22
(1,185)	1:48:C:VAL:CA	1:48:C:VAL:CB	5	0.22
(1,185)	1:48:C:VAL:CA	1:48:C:VAL:CB	6	0.22
(1,185)	1:48:C:VAL:CA	1:48:C:VAL:CB	10	0.22
(1,181)	1:72:C:THR:CA	1:72:C:THR:CB	5	0.22
(1,181)	1:72:C:THR:CA	1:72:C:THR:CB	8	0.22
(1,165)	1:89:E:ALA:CA	1:89:D:ALA:CB	8	0.22
(1,92)	1:88:A:ILE:CB	1:88:A:ILE:CG2	2	0.22
(1,92)	1:88:A:ILE:CB	1:88:A:ILE:CG2	4	0.22
(1,92)	1:88:E:ILE:CB	1:88:E:ILE:CG2	5	0.22
(1,92)	1:88:C:ILE:CB	1:88:C:ILE:CG2	6	0.22
(1,92)	1:88:B:ILE:CB	1:88:B:ILE:CG2	8	0.22
(1,92)	1:88:C:ILE:CB	1:88:C:ILE:CG2	9	0.22
(1,92)	1:88:D:ILE:CB	1:88:D:ILE:CG2	10	0.22
(1,80)	1:48:B:VAL:CB	1:48:B:VAL:CA	3	0.22
(1,80)	1:48:E:VAL:CB	1:48:E:VAL:CA	4	0.22
(1,80)	1:48:C:VAL:CB	1:48:C:VAL:CA	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:48:C:VAL:CB	1:48:C:VAL:CA	6	0.22
(1,80)	1:48:C:VAL:CB	1:48:C:VAL:CA	10	0.22
(1,50)	1:89:D:ALA:CB	1:89:E:ALA:CA	8	0.22
(1,3905)	1:61:E:GLU:CA	1:58:E:LYS:CD	4	0.21
(1,3897)	1:61:E:GLU:CA	1:58:E:LYS:CD	4	0.21
(1,3883)	1:61:E:GLU:CA	1:58:E:LYS:CD	4	0.21
(1,3878)	1:61:E:GLU:CA	1:58:E:LYS:CD	4	0.21
(1,3850)	1:88:B:ILE:CD1	1:89:B:ALA:CB	2	0.21
(1,3800)	1:83:A:GLU:CA	1:88:A:ILE:CG1	1	0.21
(1,3745)	1:89:B:ALA:CB	1:88:B:ILE:CD1	2	0.21
(1,3605)	1:89:B:ALA:CB	1:88:B:ILE:CD1	2	0.21
(1,3320)	1:97:C:LYS:CB	1:95:C:VAL:C	8	0.21
(1,3138)	1:58:C:LYS:CD	1:59:C:THR:CA	4	0.21
(1,3120)	1:78:E:ALA:CB	1:75:E:THR:CA	7	0.21
(1,2976)	1:83:E:GLU:CA	1:87:E:SER:CA	5	0.21
(1,2967)	1:83:E:GLU:CA	1:87:E:SER:CA	5	0.21
(1,2835)	1:58:E:LYS:CD	1:61:E:GLU:CA	4	0.21
(1,2828)	1:88:B:ILE:CA	1:94:B:PHE:CA	6	0.21
(1,2822)	1:58:E:LYS:CD	1:61:E:GLU:CA	4	0.21
(1,2806)	1:58:E:LYS:CD	1:61:E:GLU:CA	4	0.21
(1,2759)	1:77:A:VAL:CG1	1:79:A:GLN:CA	4	0.21
(1,2742)	1:77:A:VAL:CG1	1:79:A:GLN:CA	4	0.21
(1,2704)	1:88:B:ILE:CD1	1:90:C:ALA:CA	6	0.21
(1,2704)	1:88:C:ILE:CD1	1:90:C:ALA:CA	8	0.21
(1,2568)	1:82:A:VAL:CG1	1:86:A:GLY:CA	3	0.21
(1,2513)	1:83:A:GLU:CB	1:84:A:GLY:CA	8	0.21
(1,2317)	1:61:E:GLU:CA	1:58:E:LYS:CD	4	0.21
(1,2039)	1:79:D:GLN:CG	1:82:D:VAL:CB	1	0.21
(1,2013)	1:95:E:VAL:CB	1:96:E:LYS:CD	6	0.21
(1,1991)	1:59:C:THR:CA	1:58:C:LYS:CD	4	0.21
(1,1958)	1:90:C:ALA:CA	1:88:D:ILE:CB	5	0.21
(1,1927)	1:90:C:ALA:CA	1:88:B:ILE:CD1	6	0.21
(1,1927)	1:90:C:ALA:CA	1:88:C:ILE:CD1	8	0.21
(1,1831)	1:74:B:VAL:CG2	1:71:B:VAL:CB	10	0.21
(1,1715)	1:58:C:LYS:CD	1:59:C:THR:CA	4	0.21
(1,1659)	1:83:A:GLU:CB	1:84:A:GLY:CA	8	0.21
(1,1627)	1:70:B:VAL:CA	1:94:B:PHE:CA	3	0.21
(1,1512)	1:58:C:LYS:CD	1:59:C:THR:CA	4	0.21
(1,1385)	1:88:B:ILE:CD1	1:89:B:ALA:CB	2	0.21
(1,1276)	1:81:A:THR:CB	1:83:A:GLU:CA	6	0.21
(1,1254)	1:88:B:ILE:CD1	1:90:C:ALA:CA	6	0.21
(1,1254)	1:88:C:ILE:CD1	1:90:C:ALA:CA	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:82:A:VAL:CG1	1:86:A:GLY:CA	3	0.21
(1,1059)	1:59:C:THR:CA	1:58:C:LYS:CD	4	0.21
(1,970)	1:90:C:ALA:CA	1:88:B:ILE:CD1	6	0.21
(1,970)	1:90:C:ALA:CA	1:88:C:ILE:CD1	8	0.21
(1,848)	1:83:A:GLU:CA	1:81:A:THR:CB	6	0.21
(1,814)	1:58:C:LYS:CD	1:59:C:THR:CA	4	0.21
(1,787)	1:79:A:GLN:CA	1:77:A:VAL:CG1	4	0.21
(1,719)	1:86:A:GLY:CA	1:82:A:VAL:CG1	3	0.21
(1,685)	1:94:D:PHE:CA	1:94:D:PHE:CZ	3	0.21
(1,655)	1:90:C:ALA:CA	1:88:D:ILE:CB	5	0.21
(1,510)	1:79:D:GLN:CG	1:82:D:VAL:CB	1	0.21
(1,496)	1:58:C:LYS:CD	1:59:C:THR:CA	4	0.21
(1,324)	1:59:C:THR:CA	1:58:C:LYS:CD	4	0.21
(1,165)	1:89:A:ALA:CA	1:89:B:ALA:CB	1	0.21
(1,165)	1:89:C:ALA:CA	1:89:B:ALA:CB	6	0.21
(1,165)	1:89:C:ALA:CA	1:89:B:ALA:CB	7	0.21
(1,163)	1:94:D:PHE:CA	1:94:D:PHE:CZ	3	0.21
(1,50)	1:89:B:ALA:CB	1:89:A:ALA:CA	1	0.21
(1,50)	1:89:B:ALA:CB	1:89:C:ALA:CA	6	0.21
(1,50)	1:89:B:ALA:CB	1:89:C:ALA:CA	7	0.21
(1,4332)	1:50:D:HIS:CB	1:48:D:VAL:CB	2	0.2
(1,4332)	1:50:A:HIS:CB	1:48:A:VAL:CB	7	0.2
(1,4322)	1:50:D:HIS:CB	1:48:D:VAL:CB	2	0.2
(1,4322)	1:50:A:HIS:CB	1:48:A:VAL:CB	7	0.2
(1,4321)	1:96:A:LYS:CD	1:95:A:VAL:CG1	5	0.2
(1,4277)	1:56:C:ALA:CB	1:58:C:LYS:CB	1	0.2
(1,4272)	1:56:C:ALA:CB	1:58:C:LYS:CB	1	0.2
(1,4232)	1:61:A:GLU:CD	1:60:A:LYS:CB	3	0.2
(1,4193)	1:97:E:LYS:CE	1:95:E:VAL:CB	9	0.2
(1,3905)	1:61:D:GLU:CA	1:58:D:LYS:CD	5	0.2
(1,3897)	1:61:D:GLU:CA	1:58:D:LYS:CD	5	0.2
(1,3883)	1:61:D:GLU:CA	1:58:D:LYS:CD	5	0.2
(1,3878)	1:61:D:GLU:CA	1:58:D:LYS:CD	5	0.2
(1,3857)	1:92:A:THR:CB	1:89:A:ALA:CB	6	0.2
(1,3809)	1:81:D:THR:CG2	1:89:C:ALA:CB	7	0.2
(1,3519)	1:80:C:LYS:CB	1:81:C:THR:CG2	4	0.2
(1,3491)	1:87:E:SER:CB	1:89:E:ALA:C	1	0.2
(1,3198)	1:77:B:VAL:CA	1:75:B:THR:CB	7	0.2
(1,3089)	1:88:B:ILE:CA	1:81:C:THR:CA	2	0.2
(1,2835)	1:58:D:LYS:CD	1:61:D:GLU:CA	5	0.2
(1,2822)	1:58:D:LYS:CD	1:61:D:GLU:CA	5	0.2
(1,2806)	1:58:D:LYS:CD	1:61:D:GLU:CA	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2793)	1:88:C:ILE:C	1:83:C:GLU:CA	6	0.2
(1,2704)	1:88:C:ILE:CD1	1:90:C:ALA:CA	7	0.2
(1,2671)	1:55:B:VAL:CG1	1:57:B:GLU:CA	7	0.2
(1,2670)	1:55:B:VAL:CG1	1:57:B:GLU:CA	7	0.2
(1,2604)	1:78:B:ALA:C	1:47:A:GLY:CA	7	0.2
(1,2568)	1:82:E:VAL:CG1	1:86:E:GLY:CA	9	0.2
(1,2513)	1:83:D:GLU:CB	1:84:D:GLY:CA	1	0.2
(1,2513)	1:83:A:GLU:CB	1:84:A:GLY:CA	6	0.2
(1,2411)	1:45:A:LYS:C	1:45:A:LYS:CE	9	0.2
(1,2317)	1:61:D:GLU:CA	1:58:D:LYS:CD	5	0.2
(1,2161)	1:88:C:ILE:C	1:79:C:GLN:CG	5	0.2
(1,1927)	1:90:C:ALA:CA	1:88:C:ILE:CD1	7	0.2
(1,1659)	1:83:D:GLU:CB	1:84:D:GLY:CA	1	0.2
(1,1659)	1:83:A:GLU:CB	1:84:A:GLY:CA	6	0.2
(1,1468)	1:97:E:LYS:CE	1:95:E:VAL:CB	9	0.2
(1,1254)	1:88:C:ILE:CD1	1:90:C:ALA:CA	7	0.2
(1,1203)	1:82:E:VAL:CG1	1:86:E:GLY:CA	9	0.2
(1,973)	1:58:C:LYS:CB	1:56:C:ALA:CB	1	0.2
(1,970)	1:90:C:ALA:CA	1:88:C:ILE:CD1	7	0.2
(1,834)	1:77:B:VAL:CA	1:75:B:THR:CB	7	0.2
(1,719)	1:86:E:GLY:CA	1:82:E:VAL:CG1	9	0.2
(1,685)	1:94:A:PHE:CA	1:94:A:PHE:CZ	7	0.2
(1,553)	1:48:D:VAL:CB	1:50:D:HIS:CB	2	0.2
(1,553)	1:48:A:VAL:CB	1:50:A:HIS:CB	7	0.2
(1,163)	1:94:A:PHE:CA	1:94:A:PHE:CZ	7	0.2
(1,4232)	1:61:E:GLU:CD	1:60:E:LYS:CB	1	0.19
(1,4200)	1:96:D:LYS:CA	1:97:D:LYS:CB	4	0.19
(1,4000)	1:48:C:VAL:CG2	1:79:C:GLN:CG	10	0.19
(1,3841)	1:82:A:VAL:CB	1:88:A:ILE:CG1	10	0.19
(1,3681)	1:48:C:VAL:CG2	1:78:C:ALA:CB	10	0.19
(1,3415)	1:96:C:LYS:CB	1:94:C:PHE:C	7	0.19
(1,3320)	1:97:C:LYS:CB	1:95:C:VAL:C	7	0.19
(1,3300)	1:54:D:THR:C	1:51:D:GLY:C	5	0.19
(1,2941)	1:42:A:SER:CA	1:45:A:LYS:CA	9	0.19
(1,2935)	1:48:B:VAL:CA	1:45:B:LYS:CA	5	0.19
(1,2759)	1:77:D:VAL:CG1	1:79:D:GLN:CA	1	0.19
(1,2742)	1:77:D:VAL:CG1	1:79:D:GLN:CA	1	0.19
(1,2671)	1:55:B:VAL:CG2	1:53:B:ALA:CA	2	0.19
(1,2670)	1:55:B:VAL:CG2	1:53:B:ALA:CA	2	0.19
(1,2513)	1:83:B:GLU:CB	1:84:B:GLY:CA	9	0.19
(1,2513)	1:83:C:GLU:CB	1:84:C:GLY:CA	10	0.19
(1,2384)	1:94:A:PHE:C	1:97:A:LYS:CE	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2384)	1:94:B:PHE:C	1:97:B:LYS:CE	8	0.19
(1,2308)	1:82:A:VAL:CG2	1:79:A:GLN:CA	5	0.19
(1,2285)	1:79:D:GLN:C	1:89:D:ALA:CB	1	0.19
(1,2237)	1:73:C:GLY:C	1:72:C:THR:CB	8	0.19
(1,2039)	1:79:D:GLN:CG	1:82:D:VAL:CB	2	0.19
(1,2039)	1:79:A:GLN:CG	1:82:A:VAL:CB	8	0.19
(1,1829)	1:63:E:VAL:CG2	1:73:E:GLY:CA	9	0.19
(1,1827)	1:95:D:VAL:CG1	1:97:D:LYS:CA	5	0.19
(1,1693)	1:80:C:LYS:CD	1:46:C:GLU:CG	10	0.19
(1,1659)	1:83:B:GLU:CB	1:84:B:GLY:CA	9	0.19
(1,1659)	1:83:C:GLU:CB	1:84:C:GLY:CA	10	0.19
(1,1653)	1:46:C:GLU:CG	1:80:C:LYS:CD	10	0.19
(1,1545)	1:92:D:THR:CA	1:90:D:ALA:CA	3	0.19
(1,787)	1:79:D:GLN:CA	1:77:D:VAL:CG1	1	0.19
(1,685)	1:94:B:PHE:CA	1:94:B:PHE:CZ	1	0.19
(1,649)	1:55:A:VAL:CG1	1:56:A:ALA:CB	1	0.19
(1,510)	1:79:D:GLN:CG	1:82:D:VAL:CB	2	0.19
(1,510)	1:79:A:GLN:CG	1:82:A:VAL:CB	8	0.19
(1,163)	1:94:B:PHE:CA	1:94:B:PHE:CZ	1	0.19
(3,14)	1:92:B:THR:CB	1:74:C:VAL:CG2	4	0.18
(1,4312)	1:77:C:VAL:C	1:48:B:VAL:CB	7	0.18
(1,4277)	1:56:E:ALA:CB	1:58:E:LYS:CB	4	0.18
(1,4272)	1:56:E:ALA:CB	1:58:E:LYS:CB	4	0.18
(1,4241)	1:75:A:THR:CB	1:77:A:VAL:CB	1	0.18
(1,4233)	1:89:E:ALA:CA	1:77:E:VAL:CB	6	0.18
(1,3961)	1:88:A:ILE:CG2	1:96:A:LYS:CD	1	0.18
(1,3957)	1:88:A:ILE:CG2	1:96:A:LYS:CD	1	0.18
(1,3850)	1:88:D:ILE:CD1	1:89:D:ALA:CB	8	0.18
(1,3766)	1:48:A:VAL:CG2	1:80:A:LYS:CG	7	0.18
(1,3745)	1:89:D:ALA:CB	1:88:D:ILE:CD1	8	0.18
(1,3612)	1:67:E:GLY:CA	1:70:E:VAL:CG2	8	0.18
(1,3605)	1:89:D:ALA:CB	1:88:D:ILE:CD1	8	0.18
(1,3373)	1:98:B:ASP:CB	1:96:B:LYS:C	3	0.18
(1,3300)	1:54:C:THR:C	1:51:C:GLY:C	3	0.18
(1,3300)	1:54:E:THR:C	1:51:E:GLY:C	9	0.18
(1,2976)	1:83:E:GLU:CA	1:87:D:SER:CA	2	0.18
(1,2967)	1:83:E:GLU:CA	1:87:D:SER:CA	2	0.18
(1,2941)	1:42:A:SER:CA	1:45:A:LYS:CA	1	0.18
(1,2543)	1:70:E:VAL:CG2	1:67:E:GLY:CA	8	0.18
(1,2466)	1:94:A:PHE:CA	1:68:B:GLY:CA	5	0.18
(1,2237)	1:73:E:GLY:C	1:72:E:THR:CB	5	0.18
(1,2039)	1:79:D:GLN:CG	1:82:D:VAL:CB	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:95:C:VAL:CG1	1:97:C:LYS:CA	3	0.18
(1,1585)	1:75:A:THR:CB	1:77:A:VAL:CB	1	0.18
(1,1385)	1:88:D:ILE:CD1	1:89:D:ALA:CB	8	0.18
(1,1291)	1:92:D:THR:CB	1:94:D:PHE:CG	4	0.18
(1,1276)	1:81:B:THR:CB	1:83:B:GLU:CA	1	0.18
(1,1276)	1:81:A:THR:CB	1:83:A:GLU:CA	8	0.18
(1,988)	1:67:E:GLY:CA	1:70:E:VAL:CG2	8	0.18
(1,973)	1:58:E:LYS:CB	1:56:E:ALA:CB	4	0.18
(1,848)	1:83:B:GLU:CA	1:81:B:THR:CB	1	0.18
(1,848)	1:83:A:GLU:CA	1:81:A:THR:CB	8	0.18
(1,685)	1:94:B:PHE:CA	1:94:B:PHE:CZ	8	0.18
(1,510)	1:79:D:GLN:CG	1:82:D:VAL:CB	5	0.18
(1,163)	1:94:B:PHE:CA	1:94:B:PHE:CZ	8	0.18
(1,4281)	1:62:A:GLN:CA	1:58:A:LYS:CB	6	0.17
(1,4246)	1:65:A:ASN:CA	1:70:A:VAL:CB	5	0.17
(1,4233)	1:89:C:ALA:CA	1:77:D:VAL:CB	2	0.17
(1,4146)	1:80:A:LYS:CB	1:82:A:VAL:CB	7	0.17
(1,4096)	1:49:A:VAL:CG1	1:74:B:VAL:CG1	1	0.17
(1,3905)	1:61:B:GLU:CA	1:58:B:LYS:CD	3	0.17
(1,3897)	1:61:B:GLU:CA	1:58:B:LYS:CD	3	0.17
(1,3883)	1:61:B:GLU:CA	1:58:B:LYS:CD	3	0.17
(1,3878)	1:61:B:GLU:CA	1:58:B:LYS:CD	3	0.17
(1,3695)	1:94:D:PHE:C	1:97:D:LYS:CG	10	0.17
(1,3320)	1:97:E:LYS:CB	1:95:E:VAL:C	3	0.17
(1,3300)	1:54:A:THR:C	1:51:A:GLY:C	4	0.17
(1,3269)	1:96:B:LYS:C	1:94:B:PHE:CD2	6	0.17
(1,3269)	1:96:B:LYS:C	1:94:B:PHE:CD2	7	0.17
(1,2935)	1:48:B:VAL:CA	1:45:B:LYS:CA	10	0.17
(1,2905)	1:93:D:GLY:CA	1:96:D:LYS:CA	2	0.17
(1,2835)	1:58:B:LYS:CD	1:61:B:GLU:CA	3	0.17
(1,2822)	1:58:B:LYS:CD	1:61:B:GLU:CA	3	0.17
(1,2806)	1:58:B:LYS:CD	1:61:B:GLU:CA	3	0.17
(1,2733)	1:70:A:VAL:CB	1:65:A:ASN:CA	5	0.17
(1,2704)	1:88:B:ILE:CD1	1:90:A:ALA:CA	3	0.17
(1,2704)	1:88:B:ILE:CD1	1:90:A:ALA:CA	4	0.17
(1,2640)	1:71:B:VAL:CG2	1:91:A:ALA:CA	8	0.17
(1,2613)	1:77:B:VAL:CG1	1:47:A:GLY:CA	3	0.17
(1,2513)	1:83:C:GLU:CB	1:84:C:GLY:CA	2	0.17
(1,2384)	1:94:A:PHE:C	1:97:A:LYS:CE	3	0.17
(1,2317)	1:61:B:GLU:CA	1:58:B:LYS:CD	3	0.17
(1,2308)	1:82:A:VAL:CG2	1:79:A:GLN:CA	6	0.17
(1,2265)	1:65:A:ASN:CA	1:63:A:VAL:CG1	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2245)	1:60:C:LYS:C	1:63:C:VAL:CG2	2	0.17
(1,2161)	1:88:A:ILE:C	1:79:B:GLN:CG	1	0.17
(1,2007)	1:70:A:VAL:CB	1:67:A:GLY:CA	2	0.17
(1,1927)	1:90:A:ALA:CA	1:88:B:ILE:CD1	3	0.17
(1,1927)	1:90:A:ALA:CA	1:88:B:ILE:CD1	4	0.17
(1,1659)	1:83:C:GLU:CB	1:84:C:GLY:CA	2	0.17
(1,1658)	1:83:D:GLU:CB	1:81:D:THR:CB	10	0.17
(1,1466)	1:45:C:LYS:CE	1:43:C:LYS:CG	7	0.17
(1,1291)	1:92:C:THR:CB	1:94:C:PHE:CG	2	0.17
(1,1276)	1:81:A:THR:CB	1:83:A:GLU:CA	9	0.17
(1,1254)	1:88:B:ILE:CD1	1:90:A:ALA:CA	3	0.17
(1,1254)	1:88:B:ILE:CD1	1:90:A:ALA:CA	4	0.17
(1,1181)	1:86:D:GLY:CA	1:84:D:GLY:CA	2	0.17
(1,970)	1:90:A:ALA:CA	1:88:B:ILE:CD1	3	0.17
(1,970)	1:90:A:ALA:CA	1:88:B:ILE:CD1	4	0.17
(1,911)	1:74:B:VAL:CG1	1:75:B:THR:C	1	0.17
(1,848)	1:83:A:GLU:CA	1:81:A:THR:CB	9	0.17
(1,685)	1:94:A:PHE:CA	1:94:A:PHE:CZ	9	0.17
(1,685)	1:94:C:PHE:CA	1:94:C:PHE:CZ	10	0.17
(1,163)	1:94:A:PHE:CA	1:94:A:PHE:CZ	9	0.17
(1,163)	1:94:C:PHE:CA	1:94:C:PHE:CZ	10	0.17
(1,55)	1:80:D:LYS:CD	1:80:C:LYS:CG	7	0.17
(1,29)	1:80:C:LYS:CG	1:80:D:LYS:CD	7	0.17
(1,4277)	1:56:B:ALA:CB	1:58:B:LYS:CB	9	0.16
(1,4272)	1:56:B:ALA:CB	1:58:B:LYS:CB	9	0.16
(1,4232)	1:61:D:GLU:CD	1:60:D:LYS:CB	4	0.16
(1,4096)	1:49:D:VAL:CG1	1:74:E:VAL:CG1	6	0.16
(1,3800)	1:83:B:GLU:CA	1:88:B:ILE:CG1	4	0.16
(1,3701)	1:96:A:LYS:CA	1:97:A:LYS:CG	7	0.16
(1,3519)	1:80:B:LYS:CB	1:81:B:THR:CG2	8	0.16
(1,3495)	1:88:C:ILE:CG1	1:89:C:ALA:C	9	0.16
(1,3493)	1:88:C:ILE:CG1	1:89:C:ALA:C	9	0.16
(1,3421)	1:33:B:THR:CA	1:36:B:GLY:C	4	0.16
(1,3373)	1:98:A:ASP:CB	1:96:A:LYS:C	1	0.16
(1,3300)	1:54:A:THR:C	1:51:A:GLY:C	1	0.16
(1,3300)	1:54:B:THR:C	1:51:B:GLY:C	10	0.16
(1,3269)	1:96:E:LYS:C	1:94:E:PHE:CD2	3	0.16
(1,3105)	1:58:A:LYS:CA	1:55:A:VAL:CA	9	0.16
(1,3017)	1:43:A:LYS:CG	1:44:A:THR:CA	1	0.16
(1,3017)	1:43:C:LYS:CG	1:44:C:THR:CA	2	0.16
(1,3017)	1:43:D:LYS:CG	1:44:D:THR:CA	3	0.16
(1,3017)	1:43:D:LYS:CG	1:44:D:THR:CA	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2968)	1:88:B:ILE:CG2	1:87:B:SER:CA	10	0.16
(1,2941)	1:42:E:SER:CA	1:45:E:LYS:CA	3	0.16
(1,2644)	1:73:A:GLY:CA	1:76:A:ALA:CA	6	0.16
(1,2604)	1:78:E:ALA:C	1:47:D:GLY:CA	2	0.16
(1,2490)	1:70:C:VAL:CA	1:73:C:GLY:CA	7	0.16
(1,2486)	1:75:A:THR:C	1:73:A:GLY:CA	6	0.16
(1,2485)	1:75:A:THR:C	1:73:A:GLY:CA	6	0.16
(1,2404)	1:96:D:LYS:CA	1:97:D:LYS:CE	4	0.16
(1,2285)	1:79:C:GLN:C	1:89:C:ALA:CB	7	0.16
(1,2265)	1:65:E:ASN:CA	1:63:E:VAL:CG1	6	0.16
(1,2237)	1:73:A:GLY:C	1:72:A:THR:CB	1	0.16
(1,2237)	1:73:D:GLY:C	1:72:D:THR:CB	4	0.16
(1,2048)	1:88:C:ILE:CG1	1:89:C:ALA:C	9	0.16
(1,2039)	1:79:C:GLN:CG	1:82:C:VAL:CB	4	0.16
(1,2007)	1:70:B:VAL:CB	1:67:B:GLY:CA	5	0.16
(1,1972)	1:93:D:GLY:CA	1:88:D:ILE:CD1	3	0.16
(1,1920)	1:87:B:SER:CA	1:88:B:ILE:CG2	10	0.16
(1,1831)	1:74:D:VAL:CG2	1:71:D:VAL:CB	4	0.16
(1,1706)	1:80:A:LYS:CA	1:79:A:GLN:CD	5	0.16
(1,1643)	1:80:B:LYS:CA	1:83:B:GLU:CA	7	0.16
(1,1366)	1:87:B:SER:CA	1:88:B:ILE:CG2	10	0.16
(1,1236)	1:73:A:GLY:CA	1:76:A:ALA:CA	6	0.16
(1,1037)	1:87:B:SER:CA	1:88:B:ILE:CG2	10	0.16
(1,973)	1:58:B:LYS:CB	1:56:B:ALA:CB	9	0.16
(1,967)	1:55:D:VAL:CG1	1:57:D:GLU:CD	6	0.16
(1,915)	1:80:A:LYS:CG	1:47:A:GLY:C	7	0.16
(1,752)	1:88:B:ILE:CG2	1:87:B:SER:CA	10	0.16
(1,685)	1:94:A:PHE:CA	1:94:A:PHE:CZ	5	0.16
(1,685)	1:94:D:PHE:CA	1:94:D:PHE:CZ	6	0.16
(1,510)	1:79:C:GLN:CG	1:82:C:VAL:CB	4	0.16
(1,456)	1:88:B:ILE:CG2	1:87:B:SER:CA	10	0.16
(1,279)	1:87:B:SER:CA	1:88:B:ILE:CG2	10	0.16
(1,163)	1:94:A:PHE:CA	1:94:A:PHE:CZ	5	0.16
(1,163)	1:94:D:PHE:CA	1:94:D:PHE:CZ	6	0.16
(1,3973)	1:46:D:GLU:CA	1:80:E:LYS:CD	4	0.15
(1,3873)	1:57:A:GLU:C	1:58:A:LYS:CD	6	0.15
(1,3701)	1:96:C:LYS:CA	1:97:C:LYS:CG	3	0.15
(1,3519)	1:80:B:LYS:CB	1:81:B:THR:CG2	2	0.15
(1,3373)	1:98:C:ASP:CB	1:96:C:LYS:C	9	0.15
(1,3341)	1:96:C:LYS:CA	1:68:C:GLY:C	8	0.15
(1,3320)	1:97:A:LYS:CB	1:95:A:VAL:C	1	0.15
(1,3320)	1:97:B:LYS:CB	1:95:B:VAL:C	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3313)	1:92:E:THR:C	1:95:E:VAL:C	6	0.15
(1,3300)	1:54:A:THR:C	1:51:A:GLY:C	2	0.15
(1,3138)	1:58:B:LYS:CD	1:59:B:THR:CA	10	0.15
(1,3105)	1:58:A:LYS:CA	1:55:A:VAL:CA	4	0.15
(1,3105)	1:58:A:LYS:CA	1:55:A:VAL:CA	8	0.15
(1,2968)	1:88:C:ILE:CG2	1:87:C:SER:CA	3	0.15
(1,2905)	1:93:B:GLY:CA	1:96:B:LYS:CA	4	0.15
(1,2905)	1:93:D:GLY:CA	1:96:D:LYS:CA	9	0.15
(1,2828)	1:88:B:ILE:CA	1:94:B:PHE:CA	7	0.15
(1,2291)	1:41:B:GLY:C	1:39:B:TYR:CE1	7	0.15
(1,2059)	1:34:E:LYS:CA	1:37:E:VAL:C	7	0.15
(1,1991)	1:59:B:THR:CA	1:58:B:LYS:CD	10	0.15
(1,1920)	1:87:C:SER:CA	1:88:C:ILE:CG2	3	0.15
(1,1715)	1:58:B:LYS:CD	1:59:B:THR:CA	10	0.15
(1,1643)	1:80:E:LYS:CA	1:83:E:GLU:CA	2	0.15
(1,1561)	1:92:B:THR:CB	1:94:C:PHE:CZ	3	0.15
(1,1512)	1:58:B:LYS:CD	1:59:B:THR:CA	10	0.15
(1,1366)	1:87:C:SER:CA	1:88:C:ILE:CG2	3	0.15
(1,1320)	1:83:D:GLU:CG	1:82:D:VAL:CA	4	0.15
(1,1181)	1:86:B:GLY:CA	1:84:B:GLY:CA	1	0.15
(1,1181)	1:86:E:GLY:CA	1:84:E:GLY:CA	6	0.15
(1,1059)	1:59:B:THR:CA	1:58:B:LYS:CD	10	0.15
(1,1037)	1:87:C:SER:CA	1:88:C:ILE:CG2	3	0.15
(1,893)	1:91:D:ALA:CA	1:93:D:GLY:C	8	0.15
(1,814)	1:58:B:LYS:CD	1:59:B:THR:CA	10	0.15
(1,752)	1:88:C:ILE:CG2	1:87:C:SER:CA	3	0.15
(1,496)	1:58:B:LYS:CD	1:59:B:THR:CA	10	0.15
(1,456)	1:88:C:ILE:CG2	1:87:C:SER:CA	3	0.15
(1,324)	1:59:B:THR:CA	1:58:B:LYS:CD	10	0.15
(1,279)	1:87:C:SER:CA	1:88:C:ILE:CG2	3	0.15
(1,4344)	1:80:B:LYS:CB	1:48:A:VAL:CB	1	0.14
(1,4344)	1:80:E:LYS:CB	1:48:D:VAL:CB	4	0.14
(1,4344)	1:80:D:LYS:CB	1:48:C:VAL:CB	5	0.14
(1,4114)	1:58:A:LYS:CG	1:61:A:GLU:CB	2	0.14
(1,4036)	1:47:B:GLY:CA	1:80:C:LYS:CB	8	0.14
(1,4032)	1:47:B:GLY:CA	1:80:C:LYS:CB	8	0.14
(1,3973)	1:46:D:GLU:CA	1:80:E:LYS:CD	5	0.14
(1,3850)	1:88:A:ILE:CD1	1:89:A:ALA:CB	6	0.14
(1,3850)	1:88:B:ILE:CD1	1:89:B:ALA:CB	10	0.14
(1,3745)	1:89:A:ALA:CB	1:88:A:ILE:CD1	6	0.14
(1,3745)	1:89:B:ALA:CB	1:88:B:ILE:CD1	10	0.14
(1,3701)	1:96:D:LYS:CA	1:97:D:LYS:CG	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3605)	1:89:A:ALA:CB	1:88:A:ILE:CD1	6	0.14
(1,3605)	1:89:B:ALA:CB	1:88:B:ILE:CD1	10	0.14
(1,3491)	1:87:C:SER:CB	1:89:C:ALA:C	9	0.14
(1,3415)	1:96:A:LYS:CB	1:94:A:PHE:C	3	0.14
(1,3373)	1:98:C:ASP:CB	1:96:C:LYS:C	5	0.14
(1,3300)	1:54:D:THR:C	1:51:D:GLY:C	6	0.14
(1,3293)	1:71:D:VAL:CB	1:93:C:GLY:C	7	0.14
(1,3274)	1:71:D:VAL:CB	1:93:C:GLY:C	7	0.14
(1,3138)	1:58:A:LYS:CD	1:59:A:THR:CA	7	0.14
(1,3089)	1:88:D:ILE:CA	1:81:D:THR:CA	6	0.14
(1,3006)	1:54:B:THR:CB	1:55:B:VAL:CG2	1	0.14
(1,2968)	1:88:C:ILE:CG2	1:87:C:SER:CA	2	0.14
(1,2968)	1:88:B:ILE:CG2	1:87:B:SER:CA	6	0.14
(1,2968)	1:88:A:ILE:CG2	1:87:A:SER:CA	7	0.14
(1,2701)	1:78:B:ALA:CB	1:90:A:ALA:CA	3	0.14
(1,2613)	1:77:E:VAL:CG1	1:47:D:GLY:CA	1	0.14
(1,2604)	1:78:B:ALA:C	1:47:A:GLY:CA	8	0.14
(1,2604)	1:78:D:ALA:C	1:47:C:GLY:CA	10	0.14
(1,2486)	1:75:A:THR:C	1:73:A:GLY:CA	8	0.14
(1,2485)	1:75:A:THR:C	1:73:A:GLY:CA	8	0.14
(1,1996)	1:97:C:LYS:CE	1:68:D:GLY:CA	2	0.14
(1,1991)	1:59:A:THR:CA	1:58:A:LYS:CD	7	0.14
(1,1942)	1:61:D:GLU:CA	1:64:D:THR:CA	1	0.14
(1,1920)	1:87:C:SER:CA	1:88:C:ILE:CG2	2	0.14
(1,1920)	1:87:B:SER:CA	1:88:B:ILE:CG2	6	0.14
(1,1920)	1:87:A:SER:CA	1:88:A:ILE:CG2	7	0.14
(1,1871)	1:88:C:ILE:CD1	1:82:C:VAL:CG1	5	0.14
(1,1772)	1:78:B:ALA:CB	1:90:A:ALA:CA	3	0.14
(1,1715)	1:58:A:LYS:CD	1:59:A:THR:CA	7	0.14
(1,1663)	1:61:A:GLU:CB	1:58:A:LYS:CG	2	0.14
(1,1512)	1:58:A:LYS:CD	1:59:A:THR:CA	7	0.14
(1,1428)	1:94:D:PHE:CA	1:88:D:ILE:CG2	4	0.14
(1,1385)	1:88:A:ILE:CD1	1:89:A:ALA:CB	6	0.14
(1,1385)	1:88:B:ILE:CD1	1:89:B:ALA:CB	10	0.14
(1,1366)	1:87:C:SER:CA	1:88:C:ILE:CG2	2	0.14
(1,1366)	1:87:B:SER:CA	1:88:B:ILE:CG2	6	0.14
(1,1366)	1:87:A:SER:CA	1:88:A:ILE:CG2	7	0.14
(1,1351)	1:71:D:VAL:CB	1:93:C:GLY:C	7	0.14
(1,1350)	1:71:D:VAL:CB	1:93:C:GLY:C	7	0.14
(1,1320)	1:83:C:GLU:CG	1:82:C:VAL:CA	3	0.14
(1,1320)	1:83:E:GLU:CG	1:82:E:VAL:CA	5	0.14
(1,1291)	1:92:C:THR:CB	1:94:C:PHE:CG	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:92:A:THR:CB	1:94:A:PHE:CG	9	0.14
(1,1181)	1:86:B:GLY:CA	1:84:B:GLY:CA	7	0.14
(1,1059)	1:59:A:THR:CA	1:58:A:LYS:CD	7	0.14
(1,1037)	1:87:C:SER:CA	1:88:C:ILE:CG2	2	0.14
(1,1037)	1:87:B:SER:CA	1:88:B:ILE:CG2	6	0.14
(1,1037)	1:87:A:SER:CA	1:88:A:ILE:CG2	7	0.14
(1,814)	1:58:A:LYS:CD	1:59:A:THR:CA	7	0.14
(1,752)	1:88:C:ILE:CG2	1:87:C:SER:CA	2	0.14
(1,752)	1:88:B:ILE:CG2	1:87:B:SER:CA	6	0.14
(1,752)	1:88:A:ILE:CG2	1:87:A:SER:CA	7	0.14
(1,685)	1:94:A:PHE:CA	1:94:A:PHE:CZ	2	0.14
(1,496)	1:58:A:LYS:CD	1:59:A:THR:CA	7	0.14
(1,456)	1:88:C:ILE:CG2	1:87:C:SER:CA	2	0.14
(1,456)	1:88:B:ILE:CG2	1:87:B:SER:CA	6	0.14
(1,456)	1:88:A:ILE:CG2	1:87:A:SER:CA	7	0.14
(1,324)	1:59:A:THR:CA	1:58:A:LYS:CD	7	0.14
(1,279)	1:87:C:SER:CA	1:88:C:ILE:CG2	2	0.14
(1,279)	1:87:B:SER:CA	1:88:B:ILE:CG2	6	0.14
(1,279)	1:87:A:SER:CA	1:88:A:ILE:CG2	7	0.14
(1,163)	1:94:A:PHE:CA	1:94:A:PHE:CZ	2	0.14
(1,4232)	1:61:C:GLU:CD	1:60:C:LYS:CB	5	0.13
(1,4232)	1:61:A:GLU:CD	1:60:A:LYS:CB	10	0.13
(1,4191)	1:58:E:LYS:CD	1:61:E:GLU:CG	4	0.13
(1,4183)	1:58:B:LYS:C	1:55:B:VAL:CG1	10	0.13
(1,4122)	1:54:A:THR:CB	1:55:A:VAL:CB	2	0.13
(1,4122)	1:54:E:THR:CB	1:55:E:VAL:CB	4	0.13
(1,4122)	1:54:B:THR:CB	1:55:B:VAL:CB	9	0.13
(1,4122)	1:54:E:THR:CB	1:55:E:VAL:CB	10	0.13
(1,4082)	1:77:D:VAL:C	1:79:D:GLN:CB	7	0.13
(1,4067)	1:77:D:VAL:C	1:79:D:GLN:CB	7	0.13
(1,4000)	1:48:B:VAL:CG2	1:79:C:GLN:CG	6	0.13
(1,3852)	1:39:A:TYR:C	1:37:A:VAL:CB	7	0.13
(1,3701)	1:96:C:LYS:CA	1:97:C:LYS:CG	8	0.13
(1,3495)	1:88:A:ILE:CG1	1:89:A:ALA:C	6	0.13
(1,3493)	1:88:A:ILE:CG1	1:89:A:ALA:C	6	0.13
(1,3373)	1:98:A:ASP:CB	1:96:A:LYS:C	8	0.13
(1,3363)	1:79:D:GLN:CB	1:77:D:VAL:C	7	0.13
(1,3317)	1:69:B:ALA:CA	1:95:A:VAL:C	7	0.13
(1,3198)	1:77:E:VAL:CA	1:75:E:THR:CB	10	0.13
(1,2968)	1:88:B:ILE:CG2	1:87:B:SER:CA	5	0.13
(1,2968)	1:88:B:ILE:CG2	1:87:B:SER:CA	9	0.13
(1,2828)	1:88:D:ILE:CA	1:94:D:PHE:CA	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2827)	1:59:D:THR:C	1:61:D:GLU:CA	3	0.13
(1,2768)	1:43:E:LYS:CG	1:39:E:TYR:CA	10	0.13
(1,2759)	1:82:D:VAL:CG2	1:79:D:GLN:CA	3	0.13
(1,2742)	1:82:D:VAL:CG2	1:79:D:GLN:CA	3	0.13
(1,2701)	1:78:B:ALA:CB	1:90:A:ALA:CA	2	0.13
(1,2640)	1:71:E:VAL:CG2	1:91:E:ALA:CA	4	0.13
(1,2486)	1:75:B:THR:C	1:73:B:GLY:CA	3	0.13
(1,2485)	1:75:B:THR:C	1:73:B:GLY:CA	3	0.13
(1,2438)	1:43:D:LYS:C	1:43:D:LYS:CE	7	0.13
(1,2435)	1:43:D:LYS:C	1:43:D:LYS:CE	7	0.13
(1,2425)	1:43:D:LYS:C	1:43:D:LYS:CE	7	0.13
(1,2308)	1:82:D:VAL:CG2	1:79:D:GLN:CA	3	0.13
(1,2155)	1:43:D:LYS:C	1:43:D:LYS:CE	7	0.13
(1,2048)	1:88:A:ILE:CG1	1:89:A:ALA:C	6	0.13
(1,2007)	1:70:E:VAL:CB	1:67:E:GLY:CA	6	0.13
(1,2007)	1:70:B:VAL:CB	1:67:B:GLY:CA	7	0.13
(1,1972)	1:93:C:GLY:CA	1:88:C:ILE:CD1	7	0.13
(1,1920)	1:87:B:SER:CA	1:88:B:ILE:CG2	5	0.13
(1,1920)	1:87:B:SER:CA	1:88:B:ILE:CG2	9	0.13
(1,1772)	1:78:B:ALA:CB	1:90:A:ALA:CA	2	0.13
(1,1681)	1:79:D:GLN:CB	1:77:D:VAL:C	7	0.13
(1,1510)	1:58:E:LYS:CD	1:61:E:GLU:CG	4	0.13
(1,1366)	1:87:B:SER:CA	1:88:B:ILE:CG2	5	0.13
(1,1366)	1:87:B:SER:CA	1:88:B:ILE:CG2	9	0.13
(1,1361)	1:86:D:GLY:CA	1:88:D:ILE:CD1	4	0.13
(1,1311)	1:43:D:LYS:C	1:43:D:LYS:CE	7	0.13
(1,1276)	1:81:A:THR:CB	1:83:A:GLU:CA	2	0.13
(1,1276)	1:81:E:THR:CB	1:83:E:GLU:CA	5	0.13
(1,1087)	1:70:B:VAL:CG2	1:66:B:VAL:CB	3	0.13
(1,1037)	1:87:B:SER:CA	1:88:B:ILE:CG2	5	0.13
(1,1037)	1:87:B:SER:CA	1:88:B:ILE:CG2	9	0.13
(1,848)	1:83:A:GLU:CA	1:81:A:THR:CB	2	0.13
(1,848)	1:83:E:GLU:CA	1:81:E:THR:CB	5	0.13
(1,834)	1:77:E:VAL:CA	1:75:E:THR:CB	10	0.13
(1,787)	1:79:D:GLN:CA	1:82:D:VAL:CG2	3	0.13
(1,752)	1:88:B:ILE:CG2	1:87:B:SER:CA	5	0.13
(1,752)	1:88:B:ILE:CG2	1:87:B:SER:CA	9	0.13
(1,456)	1:88:B:ILE:CG2	1:87:B:SER:CA	5	0.13
(1,456)	1:88:B:ILE:CG2	1:87:B:SER:CA	9	0.13
(1,279)	1:87:B:SER:CA	1:88:B:ILE:CG2	5	0.13
(1,279)	1:87:B:SER:CA	1:88:B:ILE:CG2	9	0.13
(1,4246)	1:65:A:ASN:CA	1:70:A:VAL:CB	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4232)	1:61:C:GLU:CD	1:60:C:LYS:CB	9	0.12
(1,4193)	1:97:B:LYS:CE	1:95:B:VAL:CB	6	0.12
(1,4077)	1:79:C:GLN:CA	1:79:D:GLN:CB	1	0.12
(1,4066)	1:79:C:GLN:CA	1:79:D:GLN:CB	1	0.12
(1,4062)	1:79:C:GLN:CA	1:79:D:GLN:CB	1	0.12
(1,4017)	1:80:C:LYS:CA	1:46:B:GLU:CB	7	0.12
(1,4002)	1:44:A:THR:CG2	1:43:A:LYS:CD	8	0.12
(1,3973)	1:46:D:GLU:CA	1:80:E:LYS:CD	1	0.12
(1,3936)	1:82:A:VAL:CA	1:89:A:ALA:CB	2	0.12
(1,3905)	1:61:E:GLU:CA	1:58:E:LYS:CD	6	0.12
(1,3897)	1:61:E:GLU:CA	1:58:E:LYS:CD	6	0.12
(1,3883)	1:61:E:GLU:CA	1:58:E:LYS:CD	6	0.12
(1,3878)	1:61:E:GLU:CA	1:58:E:LYS:CD	6	0.12
(1,3702)	1:95:A:VAL:CG1	1:97:A:LYS:CG	10	0.12
(1,3701)	1:96:A:LYS:CA	1:97:A:LYS:CG	1	0.12
(1,3589)	1:58:A:LYS:CD	1:57:A:GLU:CD	5	0.12
(1,3491)	1:87:A:SER:CB	1:89:A:ALA:C	2	0.12
(1,3373)	1:98:E:ASP:CB	1:96:E:LYS:C	7	0.12
(1,3277)	1:75:B:THR:CG2	1:93:A:GLY:C	1	0.12
(1,3269)	1:96:C:LYS:C	1:94:C:PHE:CD1	2	0.12
(1,3138)	1:58:D:LYS:CD	1:59:D:THR:CA	8	0.12
(1,3120)	1:78:A:ALA:CB	1:75:A:THR:CA	10	0.12
(1,3110)	1:89:A:ALA:CB	1:82:A:VAL:CA	2	0.12
(1,3105)	1:58:B:LYS:CA	1:55:B:VAL:CA	7	0.12
(1,3006)	1:54:E:THR:CB	1:55:E:VAL:CG2	5	0.12
(1,2968)	1:88:E:ILE:CG2	1:87:E:SER:CA	4	0.12
(1,2835)	1:58:E:LYS:CD	1:61:E:GLU:CA	6	0.12
(1,2827)	1:59:A:THR:C	1:61:A:GLU:CA	5	0.12
(1,2822)	1:58:E:LYS:CD	1:61:E:GLU:CA	6	0.12
(1,2806)	1:58:E:LYS:CD	1:61:E:GLU:CA	6	0.12
(1,2753)	1:79:D:GLN:CB	1:79:C:GLN:CA	1	0.12
(1,2749)	1:79:D:GLN:CB	1:79:C:GLN:CA	1	0.12
(1,2733)	1:70:A:VAL:CB	1:65:A:ASN:CA	2	0.12
(1,2644)	1:73:D:GLY:CA	1:76:D:ALA:CA	3	0.12
(1,2644)	1:73:D:GLY:CA	1:76:D:ALA:CA	8	0.12
(1,2317)	1:61:E:GLU:CA	1:58:E:LYS:CD	6	0.12
(1,2269)	1:95:A:VAL:C	1:88:A:ILE:CB	4	0.12
(1,2237)	1:73:A:GLY:C	1:72:A:THR:CB	10	0.12
(1,1991)	1:59:D:THR:CA	1:58:D:LYS:CD	8	0.12
(1,1949)	1:79:C:GLN:CA	1:79:D:GLN:CB	1	0.12
(1,1920)	1:87:E:SER:CA	1:88:E:ILE:CG2	4	0.12
(1,1883)	1:81:D:THR:CB	1:89:D:ALA:CA	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1715)	1:58:D:LYS:CD	1:59:D:THR:CA	8	0.12
(1,1677)	1:79:D:GLN:CB	1:79:C:GLN:CA	1	0.12
(1,1643)	1:80:E:LYS:CA	1:83:E:GLU:CA	8	0.12
(1,1512)	1:58:D:LYS:CD	1:59:D:THR:CA	8	0.12
(1,1468)	1:97:B:LYS:CE	1:95:B:VAL:CB	6	0.12
(1,1451)	1:82:D:VAL:CA	1:79:D:GLN:CA	7	0.12
(1,1366)	1:87:E:SER:CA	1:88:E:ILE:CG2	4	0.12
(1,1356)	1:79:C:GLN:CA	1:79:D:GLN:CB	1	0.12
(1,1268)	1:79:D:GLN:CB	1:79:C:GLN:CA	1	0.12
(1,1236)	1:73:D:GLY:CA	1:76:D:ALA:CA	3	0.12
(1,1236)	1:73:D:GLY:CA	1:76:D:ALA:CA	8	0.12
(1,1181)	1:86:B:GLY:CA	1:84:B:GLY:CA	8	0.12
(1,1084)	1:79:C:GLN:CA	1:79:D:GLN:CB	1	0.12
(1,1059)	1:59:D:THR:CA	1:58:D:LYS:CD	8	0.12
(1,1037)	1:87:E:SER:CA	1:88:E:ILE:CG2	4	0.12
(1,814)	1:58:D:LYS:CD	1:59:D:THR:CA	8	0.12
(1,752)	1:88:E:ILE:CG2	1:87:E:SER:CA	4	0.12
(1,685)	1:94:D:PHE:CA	1:94:D:PHE:CZ	4	0.12
(1,669)	1:79:C:GLN:CA	1:79:D:GLN:CB	1	0.12
(1,602)	1:94:E:PHE:CB	1:95:E:VAL:C	5	0.12
(1,602)	1:94:D:PHE:CB	1:95:D:VAL:C	8	0.12
(1,525)	1:79:D:GLN:CB	1:79:C:GLN:CA	1	0.12
(1,496)	1:58:D:LYS:CD	1:59:D:THR:CA	8	0.12
(1,456)	1:88:E:ILE:CG2	1:87:E:SER:CA	4	0.12
(1,324)	1:59:D:THR:CA	1:58:D:LYS:CD	8	0.12
(1,279)	1:87:E:SER:CA	1:88:E:ILE:CG2	4	0.12
(1,163)	1:94:D:PHE:CA	1:94:D:PHE:CZ	4	0.12
(1,4356)	1:95:D:VAL:CG1	1:98:D:ASP:CB	2	0.11
(1,4277)	1:56:B:ALA:CB	1:58:B:LYS:CB	8	0.11
(1,4272)	1:56:B:ALA:CB	1:58:B:LYS:CB	8	0.11
(1,4232)	1:61:D:GLU:CD	1:60:D:LYS:CB	8	0.11
(1,4212)	1:61:B:GLU:CB	1:61:C:GLU:CG	9	0.11
(1,4193)	1:97:A:LYS:CE	1:95:A:VAL:CB	2	0.11
(1,4191)	1:58:E:LYS:CD	1:61:E:GLU:CG	2	0.11
(1,4153)	1:37:D:VAL:CB	1:40:D:VAL:CB	3	0.11
(1,4075)	1:58:A:LYS:CB	1:57:A:GLU:CB	1	0.11
(1,4058)	1:58:A:LYS:CB	1:57:A:GLU:CB	1	0.11
(1,4033)	1:46:D:GLU:C	1:80:E:LYS:CB	8	0.11
(1,4017)	1:80:B:LYS:CA	1:46:A:GLU:CB	8	0.11
(1,4002)	1:44:D:THR:CG2	1:43:D:LYS:CD	5	0.11
(1,4002)	1:44:C:THR:CG2	1:43:C:LYS:CD	10	0.11
(1,3973)	1:46:A:GLU:CA	1:80:B:LYS:CD	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3973)	1:46:B:GLU:CA	1:80:C:LYS:CD	9	0.11
(1,3873)	1:57:D:GLU:C	1:58:D:LYS:CD	2	0.11
(1,3850)	1:88:A:ILE:CD1	1:89:A:ALA:CB	1	0.11
(1,3850)	1:88:E:ILE:CD1	1:89:E:ALA:CB	9	0.11
(1,3745)	1:89:A:ALA:CB	1:88:A:ILE:CD1	1	0.11
(1,3745)	1:89:E:ALA:CB	1:88:E:ILE:CD1	9	0.11
(1,3612)	1:67:A:GLY:CA	1:70:A:VAL:CG2	1	0.11
(1,3605)	1:89:A:ALA:CB	1:88:A:ILE:CD1	1	0.11
(1,3605)	1:89:E:ALA:CB	1:88:E:ILE:CD1	9	0.11
(1,3589)	1:58:E:LYS:CD	1:57:E:GLU:CD	3	0.11
(1,3495)	1:88:C:ILE:CG1	1:89:C:ALA:C	10	0.11
(1,3493)	1:88:C:ILE:CG1	1:89:C:ALA:C	10	0.11
(1,3453)	1:79:D:GLN:CD	1:80:D:LYS:C	5	0.11
(1,3415)	1:96:C:LYS:CB	1:94:C:PHE:C	4	0.11
(1,3313)	1:92:A:THR:C	1:95:A:VAL:C	2	0.11
(1,3293)	1:71:B:VAL:CB	1:93:A:GLY:C	9	0.11
(1,3274)	1:71:B:VAL:CB	1:93:A:GLY:C	9	0.11
(1,3269)	1:96:B:LYS:C	1:94:B:PHE:CD2	10	0.11
(1,3170)	1:75:E:THR:CA	1:92:D:THR:CB	1	0.11
(1,3006)	1:54:E:THR:CB	1:55:E:VAL:CG2	3	0.11
(1,2968)	1:88:A:ILE:CG2	1:87:A:SER:CA	1	0.11
(1,2968)	1:88:E:ILE:CG2	1:87:E:SER:CA	8	0.11
(1,2827)	1:59:A:THR:C	1:61:A:GLU:CA	9	0.11
(1,2768)	1:43:B:LYS:CG	1:39:B:TYR:CA	1	0.11
(1,2768)	1:43:C:LYS:CG	1:39:C:TYR:CA	5	0.11
(1,2759)	1:77:A:VAL:CG1	1:79:A:GLN:CA	6	0.11
(1,2742)	1:77:A:VAL:CG1	1:79:A:GLN:CA	6	0.11
(1,2704)	1:88:C:ILE:CD1	1:90:C:ALA:CA	1	0.11
(1,2671)	1:55:A:VAL:CG1	1:57:A:GLU:CA	4	0.11
(1,2670)	1:55:A:VAL:CG1	1:57:A:GLU:CA	4	0.11
(1,2644)	1:73:D:GLY:CA	1:76:D:ALA:CA	9	0.11
(1,2543)	1:70:A:VAL:CG2	1:67:A:GLY:CA	1	0.11
(1,2527)	1:96:E:LYS:CD	1:94:E:PHE:CB	5	0.11
(1,2490)	1:70:D:VAL:CA	1:73:D:GLY:CA	6	0.11
(1,2472)	1:71:C:VAL:CA	1:73:C:GLY:CA	10	0.11
(1,2438)	1:43:C:LYS:C	1:43:C:LYS:CE	5	0.11
(1,2438)	1:43:E:LYS:C	1:43:E:LYS:CE	10	0.11
(1,2435)	1:43:C:LYS:C	1:43:C:LYS:CE	5	0.11
(1,2435)	1:43:E:LYS:C	1:43:E:LYS:CE	10	0.11
(1,2425)	1:43:C:LYS:C	1:43:C:LYS:CE	5	0.11
(1,2425)	1:43:E:LYS:C	1:43:E:LYS:CE	10	0.11
(1,2381)	1:88:B:ILE:CG2	1:96:B:LYS:CE	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2368)	1:82:A:VAL:CG1	1:88:A:ILE:CB	3	0.11
(1,2269)	1:95:A:VAL:C	1:88:A:ILE:CB	9	0.11
(1,2155)	1:43:C:LYS:C	1:43:C:LYS:CE	5	0.11
(1,2155)	1:43:E:LYS:C	1:43:E:LYS:CE	10	0.11
(1,2048)	1:88:C:ILE:CG1	1:89:C:ALA:C	10	0.11
(1,1927)	1:90:C:ALA:CA	1:88:C:ILE:CD1	1	0.11
(1,1920)	1:87:A:SER:CA	1:88:A:ILE:CG2	1	0.11
(1,1920)	1:87:E:SER:CA	1:88:E:ILE:CG2	8	0.11
(1,1643)	1:80:C:LYS:CA	1:83:C:GLU:CA	10	0.11
(1,1608)	1:73:C:GLY:CA	1:71:C:VAL:CA	10	0.11
(1,1561)	1:92:C:THR:CB	1:94:C:PHE:CZ	8	0.11
(1,1545)	1:92:A:THR:CA	1:90:A:ALA:CA	6	0.11
(1,1510)	1:58:E:LYS:CD	1:61:E:GLU:CG	2	0.11
(1,1468)	1:97:A:LYS:CE	1:95:A:VAL:CB	2	0.11
(1,1385)	1:88:A:ILE:CD1	1:89:A:ALA:CB	1	0.11
(1,1385)	1:88:E:ILE:CD1	1:89:E:ALA:CB	9	0.11
(1,1366)	1:87:A:SER:CA	1:88:A:ILE:CG2	1	0.11
(1,1366)	1:87:E:SER:CA	1:88:E:ILE:CG2	8	0.11
(1,1351)	1:71:B:VAL:CB	1:93:A:GLY:C	9	0.11
(1,1350)	1:71:B:VAL:CB	1:93:A:GLY:C	9	0.11
(1,1311)	1:43:C:LYS:C	1:43:C:LYS:CE	5	0.11
(1,1311)	1:43:E:LYS:C	1:43:E:LYS:CE	10	0.11
(1,1276)	1:81:B:THR:CB	1:83:B:GLU:CA	3	0.11
(1,1276)	1:81:A:THR:CB	1:83:A:GLU:CA	4	0.11
(1,1254)	1:88:C:ILE:CD1	1:90:C:ALA:CA	1	0.11
(1,1236)	1:73:D:GLY:CA	1:76:D:ALA:CA	9	0.11
(1,1191)	1:96:E:LYS:CD	1:94:E:PHE:CB	5	0.11
(1,1037)	1:87:A:SER:CA	1:88:A:ILE:CG2	1	0.11
(1,1037)	1:87:E:SER:CA	1:88:E:ILE:CG2	8	0.11
(1,988)	1:67:A:GLY:CA	1:70:A:VAL:CG2	1	0.11
(1,973)	1:58:B:LYS:CB	1:56:B:ALA:CB	8	0.11
(1,970)	1:90:C:ALA:CA	1:88:C:ILE:CD1	1	0.11
(1,848)	1:83:B:GLU:CA	1:81:B:THR:CB	3	0.11
(1,848)	1:83:A:GLU:CA	1:81:A:THR:CB	4	0.11
(1,787)	1:79:A:GLN:CA	1:77:A:VAL:CG1	6	0.11
(1,752)	1:88:A:ILE:CG2	1:87:A:SER:CA	1	0.11
(1,752)	1:88:E:ILE:CG2	1:87:E:SER:CA	8	0.11
(1,490)	1:37:D:VAL:CB	1:40:D:VAL:CB	3	0.11
(1,456)	1:88:A:ILE:CG2	1:87:A:SER:CA	1	0.11
(1,456)	1:88:E:ILE:CG2	1:87:E:SER:CA	8	0.11
(1,279)	1:87:A:SER:CA	1:88:A:ILE:CG2	1	0.11
(1,279)	1:87:E:SER:CA	1:88:E:ILE:CG2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4277)	1:56:A:ALA:CB	1:58:A:LYS:CB	7	0.1
(1,4272)	1:56:A:ALA:CB	1:58:A:LYS:CB	7	0.1
(1,4241)	1:75:B:THR:CB	1:77:B:VAL:CB	6	0.1
(1,4232)	1:61:C:GLU:CD	1:60:C:LYS:CB	7	0.1
(1,4002)	1:44:E:THR:CG2	1:43:E:LYS:CD	4	0.1
(1,3920)	1:48:A:VAL:CA	1:45:A:LYS:CD	1	0.1
(1,3902)	1:58:C:LYS:CG	1:58:B:LYS:CD	6	0.1
(1,3898)	1:58:C:LYS:CG	1:58:B:LYS:CD	6	0.1
(1,3740)	1:58:B:LYS:CD	1:58:C:LYS:CG	6	0.1
(1,3701)	1:96:A:LYS:CA	1:97:A:LYS:CG	9	0.1
(1,3612)	1:67:C:GLY:CA	1:70:C:VAL:CG2	10	0.1
(1,3313)	1:92:E:THR:C	1:95:E:VAL:C	9	0.1
(1,3313)	1:92:A:THR:C	1:95:A:VAL:C	10	0.1
(1,3092)	1:80:B:LYS:CE	1:81:B:THR:CA	10	0.1
(1,2985)	1:45:A:LYS:CD	1:48:A:VAL:CA	1	0.1
(1,2877)	1:95:B:VAL:CG1	1:96:B:LYS:CA	8	0.1
(1,2827)	1:59:C:THR:C	1:61:C:GLU:CA	2	0.1
(1,2804)	1:80:C:LYS:CB	1:46:B:GLU:CA	7	0.1
(1,2644)	1:73:C:GLY:CA	1:76:C:ALA:CA	2	0.1
(1,2543)	1:70:C:VAL:CG2	1:67:C:GLY:CA	10	0.1
(1,2527)	1:96:B:LYS:CD	1:94:B:PHE:CB	6	0.1
(1,2523)	1:96:B:LYS:CG	1:94:B:PHE:CB	7	0.1
(1,2490)	1:70:A:VAL:CA	1:73:A:GLY:CA	3	0.1
(1,2486)	1:75:C:THR:C	1:73:C:GLY:CA	2	0.1
(1,2485)	1:75:C:THR:C	1:73:C:GLY:CA	2	0.1
(1,2466)	1:94:D:PHE:CA	1:68:E:GLY:CA	4	0.1
(1,2438)	1:43:A:LYS:C	1:43:A:LYS:CE	4	0.1
(1,2435)	1:43:A:LYS:C	1:43:A:LYS:CE	4	0.1
(1,2425)	1:43:A:LYS:C	1:43:A:LYS:CE	4	0.1
(1,2334)	1:44:B:THR:C	1:46:B:GLU:CB	8	0.1
(1,2155)	1:43:A:LYS:C	1:43:A:LYS:CE	4	0.1
(1,1760)	1:58:C:LYS:CG	1:58:B:LYS:CD	6	0.1
(1,1759)	1:58:C:LYS:CG	1:58:B:LYS:CD	6	0.1
(1,1745)	1:58:C:LYS:CG	1:58:B:LYS:CD	6	0.1
(1,1706)	1:80:B:LYS:CA	1:79:B:GLN:CD	6	0.1
(1,1643)	1:80:A:LYS:CA	1:83:A:GLU:CA	1	0.1
(1,1625)	1:80:B:LYS:CE	1:81:B:THR:CA	10	0.1
(1,1585)	1:75:B:THR:CB	1:77:B:VAL:CB	6	0.1
(1,1511)	1:58:B:LYS:CD	1:58:C:LYS:CG	6	0.1
(1,1311)	1:43:A:LYS:C	1:43:A:LYS:CE	4	0.1
(1,1236)	1:73:C:GLY:CA	1:76:C:ALA:CA	2	0.1
(1,1191)	1:96:B:LYS:CD	1:94:B:PHE:CB	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:46:B:GLU:CA	1:80:C:LYS:CB	7	0.1
(1,1007)	1:94:B:PHE:CB	1:96:B:LYS:CG	7	0.1
(1,988)	1:67:C:GLY:CA	1:70:C:VAL:CG2	10	0.1
(1,973)	1:58:A:LYS:CB	1:56:A:ALA:CB	7	0.1
(1,799)	1:37:D:VAL:CG2	1:33:D:THR:CA	1	0.1
(1,502)	1:45:A:LYS:CD	1:48:A:VAL:CA	1	0.1
(1,494)	1:58:B:LYS:CD	1:58:C:LYS:CG	6	0.1
(1,463)	1:96:B:LYS:CG	1:94:B:PHE:CB	7	0.1
(1,461)	1:58:C:LYS:CG	1:58:B:LYS:CD	6	0.1

10 Dihedral-angle violation analysis

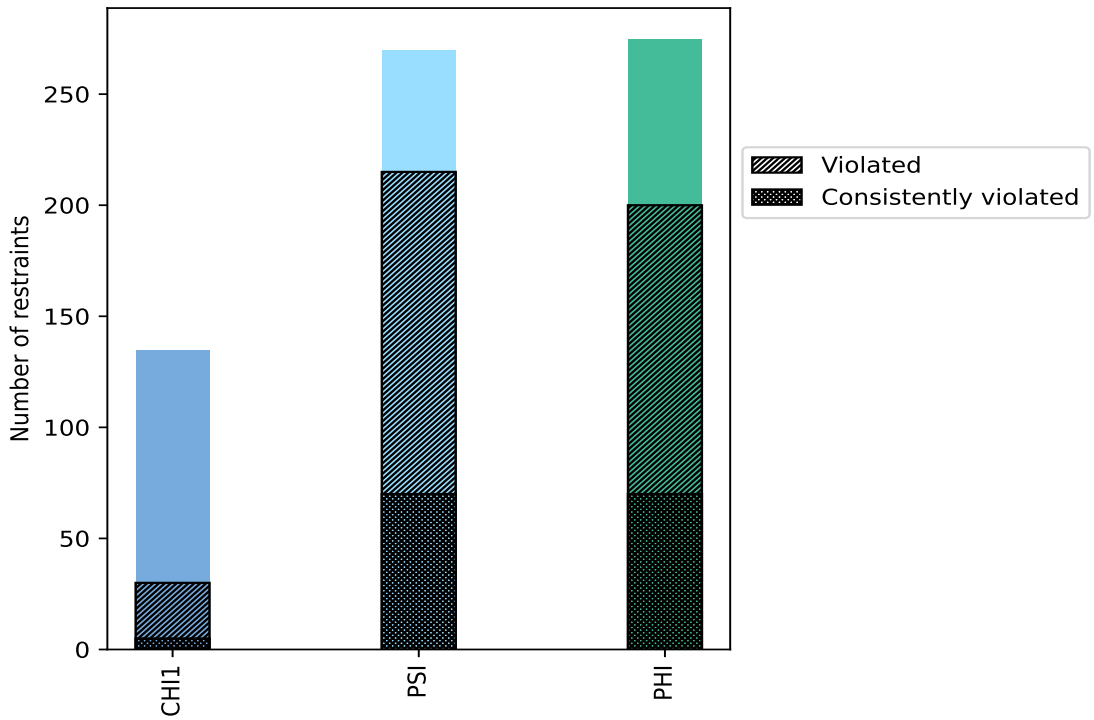
10.1 Summary of dihedral-angle violations

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]
CHI1	135	19.9	30	22.2	4.4	5	3.7	0.7
PSI	270	39.7	215	79.6	31.6	70	25.9	10.3
PHI	275	40.4	200	72.7	29.4	70	25.5	10.3
Total	680	100.0	445	65.4	65.4	145	21.3	21.3

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



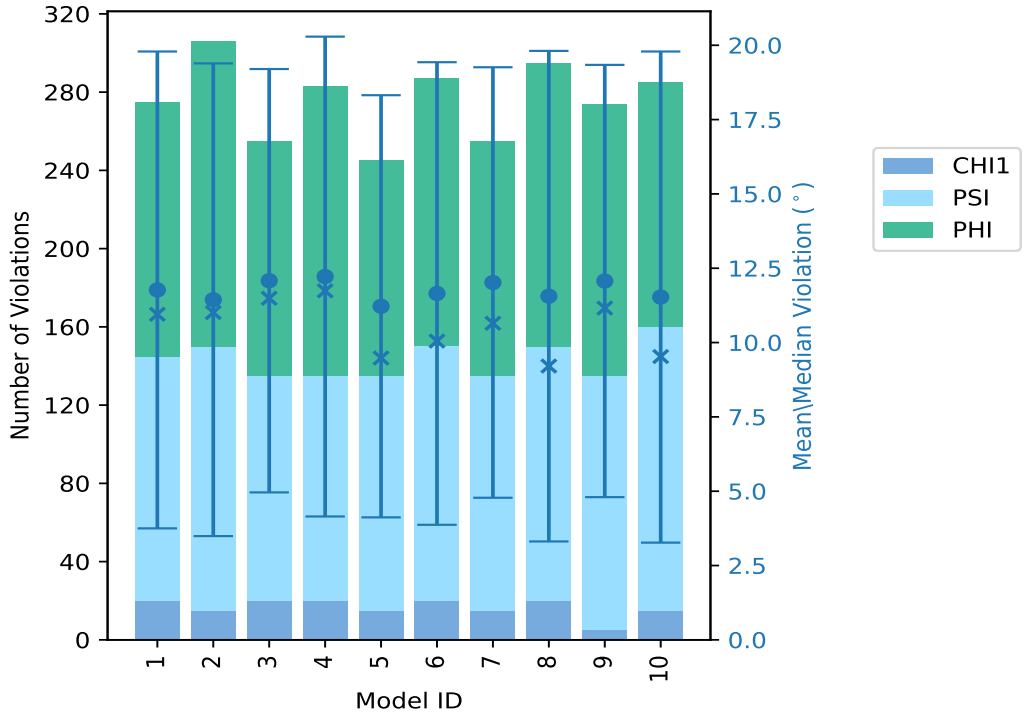
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model (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 (°)
	CHI1	PSI	PHI	Total				
1	20	125	130	275	11.77	39.98	8.02	10.95
2	15	135	156	306	11.44	38.33	7.95	11.01
3	20	115	120	255	12.08	31.06	7.12	11.49
4	20	115	148	283	12.22	39.72	8.07	11.74
5	15	120	110	245	11.22	31.47	7.1	9.48
6	20	130	137	287	11.65	36.65	7.78	10.05
7	15	120	120	255	12.02	31.18	7.24	10.65
8	20	130	145	295	11.56	37.85	8.25	9.21
9	5	130	139	274	12.07	30.13	7.27	11.16
10	15	145	125	285	11.53	36.88	8.26	9.53

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

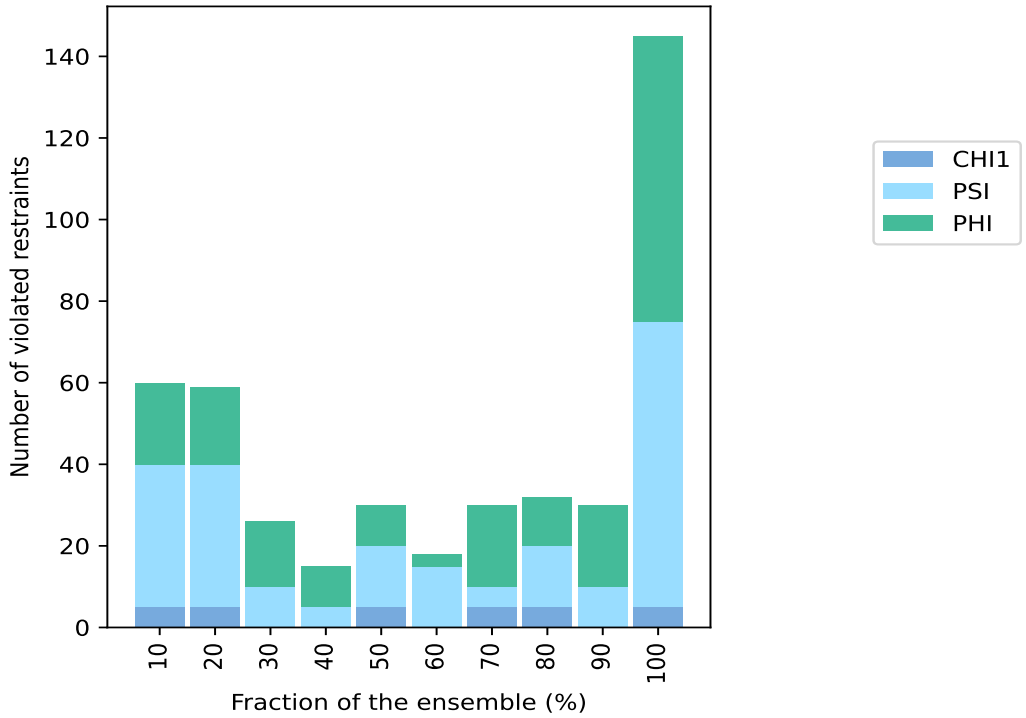
10.3 Dihedral-angle violation statistics for the ensemble

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	
CHI1	PSI	PHI	Total	Count[1]	%
5	35	20	60	1	10.0
5	35	19	59	2	20.0
0	10	16	26	3	30.0
0	5	10	15	4	40.0
5	15	10	30	5	50.0
0	15	3	18	6	60.0
5	5	20	30	7	70.0
5	15	12	32	8	80.0
0	10	20	30	9	90.0
5	70	70	145	10	100.0

[1] Number of models with violations

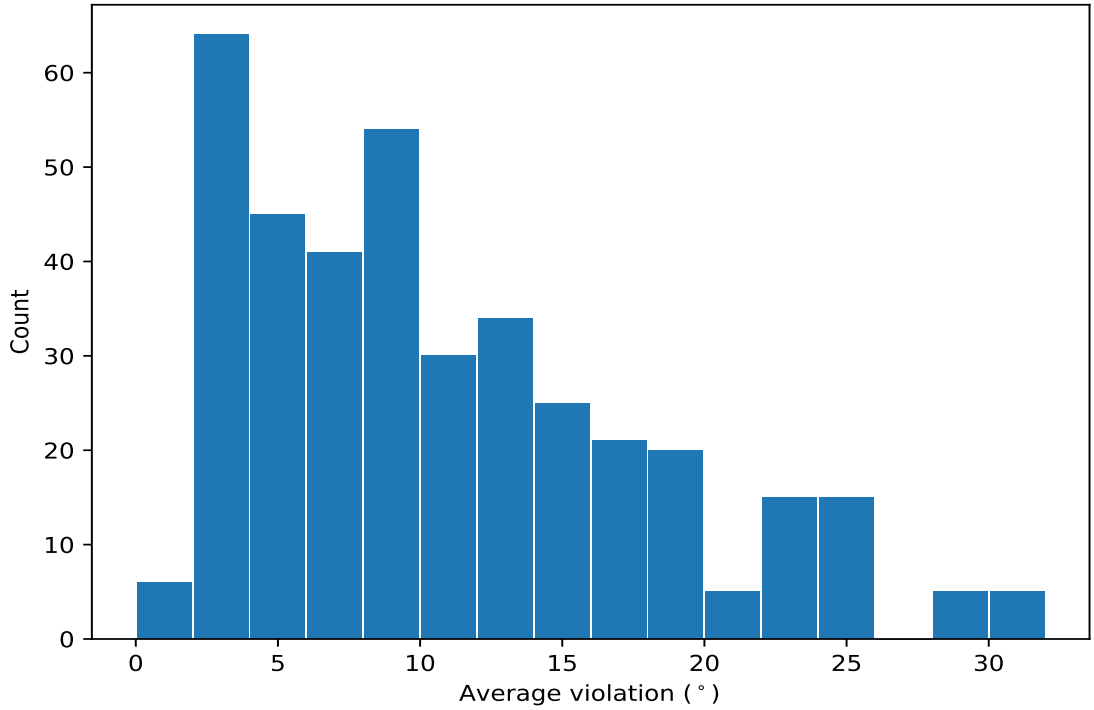
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble



10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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



10.4.2 Table: Most violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	10	31.3	2.56	30.75
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	10	31.3	2.57	30.75
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	10	31.29	2.58	30.75
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	10	31.28	2.57	30.72
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	10	31.28	2.57	30.73
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	10	29.14	8.32	29.64
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	10	29.14	8.32	29.61
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	10	29.14	8.32	29.62
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	10	29.13	8.34	29.62
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	10	29.13	8.32	29.57
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	10	25.84	6.69	24.1
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	10	25.84	6.69	24.08
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	10	25.83	6.68	24.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	10	25.83	6.69	24.06
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	10	25.82	6.68	24.06
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	10	22.83	2.96	22.29
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	10	22.82	2.97	22.35
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	10	22.82	2.99	22.28
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	10	22.81	2.96	22.32
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	10	22.8	2.97	22.28
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	10	22.44	1.24	22.81
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	10	22.43	1.23	22.8
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	10	22.43	1.23	22.77
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	10	22.42	1.24	22.72
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	10	22.4	1.23	22.76
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	10	18.96	3.29	19.48
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	10	18.93	3.28	19.43
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	10	18.93	3.28	19.42
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	10	18.93	3.3	19.48
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	10	18.92	3.29	19.48
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	10	17.55	4.45	19.91
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	10	17.54	4.46	19.92
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	10	17.53	4.46	19.91
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	10	17.53	4.47	19.9
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	10	17.52	4.48	19.93
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	10	17.01	4.82	18.95
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	10	17.0	4.82	18.9
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	10	17.0	4.8	18.94
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	10	17.0	4.81	18.94
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	10	16.99	4.81	18.94
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	10	15.79	0.81	16.05
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	10	15.78	0.82	15.98
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	10	15.78	0.81	15.96
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	10	15.78	0.82	15.96
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	10	15.76	0.83	15.94
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	10	15.41	3.75	13.32
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	10	15.41	3.72	13.34
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	10	15.4	3.69	13.33
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	10	15.4	3.72	13.32
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	10	15.38	3.71	13.28
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	10	14.19	1.61	13.48
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	10	14.19	1.63	13.46
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	10	14.18	1.61	13.51
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	10	14.18	1.61	13.48
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	10	14.18	1.62	13.46
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	10	12.26	0.4	12.38
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	10	12.26	0.41	12.35
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	10	12.24	0.41	12.33
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	10	12.24	0.42	12.38
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	10	12.24	0.4	12.36
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	10	11.05	2.77	9.96
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	10	11.05	2.81	9.91
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	10	11.04	2.78	9.96
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	10	11.03	2.77	9.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	10	11.03	2.79	9.96
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	10	10.82	2.51	11.08
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	10	10.8	2.5	11.01
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	10	10.8	2.5	11.02
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	10	10.79	2.5	11.0
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	10	10.79	2.51	10.98
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	10	9.8	2.55	9.68
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	10	9.79	2.57	9.62
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	10	9.79	2.53	9.64
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	10	9.78	2.55	9.6
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	10	9.78	2.55	9.64
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	10	8.18	2.29	8.04
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	10	8.15	2.3	7.99
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	10	8.14	2.29	7.96
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	10	8.13	2.29	7.97
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	10	8.13	2.3	7.99
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	10	8.01	1.88	8.5
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	10	8.01	1.88	8.52
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	10	8.0	1.88	8.5
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	10	8.0	1.88	8.48
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	10	7.99	1.89	8.5
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	10	7.47	3.57	5.88
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	10	7.47	3.6	5.78
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	10	7.46	3.58	5.81
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	10	7.46	3.61	5.78
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	10	7.46	3.6	5.78
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	10	7.34	4.77	4.76
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	10	7.34	4.79	4.74
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	10	7.33	4.79	4.72
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	10	7.33	4.77	4.75
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	10	7.33	4.78	4.74
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	10	7.28	2.98	5.56
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	10	7.27	2.97	5.54
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	10	7.26	2.97	5.54
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	10	7.26	2.96	5.57
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	10	7.26	2.97	5.55
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	10	7.23	1.28	7.24
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	10	7.22	1.29	7.22
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	10	7.22	1.29	7.26
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	10	7.22	1.29	7.22
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	10	7.21	1.28	7.18
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	10	6.9	1.33	7.07
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	10	6.89	1.31	7.06
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	10	6.88	1.31	7.1
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	10	6.87	1.32	7.06
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	10	6.86	1.31	7.08
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	10	6.46	4.42	5.57
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	10	6.45	4.41	5.6
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	10	6.45	4.39	5.59
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	10	6.45	4.43	5.58
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	10	6.43	4.41	5.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	10	6.13	2.37	6.41
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	10	6.13	2.36	6.39
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	10	6.13	2.36	6.43
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	10	6.12	2.36	6.41
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	10	6.11	2.38	6.36
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	10	6.02	0.97	5.86
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	10	6.02	0.98	5.82
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	10	6.01	0.96	5.89
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	10	6.01	0.99	5.86
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	10	6.01	0.97	5.84
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	10	5.97	3.81	4.25
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	10	5.97	3.8	4.22
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	10	5.96	3.81	4.23
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	10	5.95	3.82	4.23
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	10	5.95	3.8	4.23
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	10	4.94	0.7	4.64
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	10	4.94	0.68	4.68
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	10	4.94	0.67	4.66
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	10	4.93	0.68	4.66
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	10	4.92	0.69	4.62
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	10	4.65	1.59	4.42
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	10	4.64	1.57	4.44
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	10	4.64	1.6	4.4
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	10	4.63	1.57	4.42
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	10	4.63	1.57	4.42
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	10	3.84	1.36	4.43
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	10	3.83	1.34	4.42
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	10	3.82	1.33	4.39
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	10	3.82	1.34	4.36
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	10	3.81	1.33	4.39
(1,128)	1:63:C:VAL:C	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	9	16.92	1.76	16.68
(1,126)	1:63:A:VAL:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	9	16.92	1.76	16.66
(1,127)	1:63:B:VAL:C	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	9	16.91	1.77	16.64
(1,130)	1:63:E:VAL:C	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	9	16.9	1.77	16.62
(1,129)	1:63:D:VAL:C	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	9	16.89	1.76	16.64
(1,265)	1:95:E:VAL:C	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	9	13.91	2.96	13.55
(1,264)	1:95:D:VAL:C	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	9	13.89	2.98	13.55
(1,263)	1:95:C:VAL:C	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	9	13.89	2.96	13.55
(1,261)	1:95:A:VAL:C	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	9	13.88	2.96	13.55
(1,262)	1:95:B:VAL:C	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	9	13.88	2.97	13.52
(1,425)	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1:71:E:VAL:N	9	11.68	3.74	10.86
(1,421)	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1:71:A:VAL:N	9	11.67	3.72	10.86
(1,422)	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1:71:B:VAL:N	9	11.67	3.76	10.84
(1,423)	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1:71:C:VAL:N	9	11.67	3.75	10.8
(1,424)	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1:71:D:VAL:N	9	11.66	3.72	10.79
(1,253)	1:93:C:GLY:C	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	9	11.12	1.01	11.49
(1,254)	1:93:D:GLY:C	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	9	11.11	1.01	11.49
(1,255)	1:93:E:GLY:C	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	9	11.11	1.0	11.49
(1,251)	1:93:A:GLY:C	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	9	11.11	1.01	11.42
(1,252)	1:93:B:GLY:C	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	9	11.1	1.0	11.46
(1,442)	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1:76:B:ALA:N	9	9.87	3.26	11.92

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,445)	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1:76:E:ALA:N	9	9.86	3.23	11.95
(1,444)	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1:76:D:ALA:N	9	9.86	3.26	11.99
(1,441)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:ALA:N	9	9.85	3.25	12.01
(1,443)	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1:76:C:ALA:N	9	9.85	3.22	12.0
(1,173)	1:75:C:THR:C	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	9	9.58	3.16	10.69
(1,171)	1:75:A:THR:C	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	9	9.57	3.17	10.76
(1,175)	1:75:E:THR:C	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	9	9.56	3.17	10.78
(1,172)	1:75:B:THR:C	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	9	9.56	3.17	10.74
(1,174)	1:75:D:THR:C	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	9	9.56	3.17	10.73
(1,283)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:LEU:N	8	24.13	7.45	26.46
(1,282)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:LEU:N	8	24.12	7.48	26.46
(1,281)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:LEU:N	8	24.1	7.48	26.42
(1,284)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:LEU:N	8	24.1	7.47	26.4
(1,285)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:LEU:N	8	24.1	7.46	26.4
(1,354)	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	1:55:D:VAL:N	8	16.0	5.61	17.99
(1,355)	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	1:55:E:VAL:N	8	15.99	5.62	17.96
(1,351)	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	1:55:A:VAL:N	8	15.99	5.58	17.95
(1,352)	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	1:55:B:VAL:N	8	15.98	5.58	18.01
(1,353)	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	1:55:C:VAL:N	8	15.96	5.59	17.92
(1,344)	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	1:53:D:ALA:N	8	12.86	0.39	13.02
(1,343)	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	1:53:C:ALA:N	8	12.86	0.41	13.04
(1,342)	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	1:53:B:ALA:N	8	12.85	0.39	13.04
(1,345)	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	1:53:E:ALA:N	8	12.85	0.4	13.04
(1,341)	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	1:53:A:ALA:N	8	12.84	0.42	13.03
(1,633)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:CB	1:72:C:THR:OG1	8	11.66	4.39	11.16
(1,634)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:CB	1:72:D:THR:OG1	8	11.65	4.37	11.19
(1,631)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:CB	1:72:A:THR:OG1	8	11.65	4.36	11.19
(1,635)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:CB	1:72:E:THR:OG1	8	11.64	4.37	11.18
(1,632)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:CB	1:72:B:THR:OG1	8	11.63	4.38	11.12
(1,87)	1:55:B:VAL:C	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	8	11.2	2.24	11.2
(1,88)	1:55:C:VAL:C	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	8	11.2	2.26	11.18
(1,90)	1:55:E:VAL:C	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	8	11.2	2.25	11.18
(1,89)	1:55:D:VAL:C	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	8	11.18	2.26	11.18
(1,86)	1:55:A:VAL:C	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	8	11.18	2.25	11.13
(1,180)	1:76:E:ALA:C	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	8	4.35	0.65	4.17
(1,178)	1:76:C:ALA:C	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	8	4.33	0.63	4.14
(1,177)	1:76:B:ALA:C	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	8	4.33	0.63	4.12
(1,176)	1:76:A:ALA:C	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	8	4.33	0.63	4.11
(1,179)	1:76:D:ALA:C	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	8	4.33	0.63	4.15
(1,138)	1:65:C:ASN:C	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	8	3.2	1.41	2.86
(1,137)	1:65:B:ASN:C	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	8	3.2	1.41	2.82
(1,169)	1:74:D:VAL:C	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	7	23.22	2.22	23.99
(1,168)	1:74:C:VAL:C	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	7	23.21	2.22	23.91
(1,167)	1:74:B:VAL:C	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	7	23.21	2.21	23.95
(1,166)	1:74:A:VAL:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	7	23.2	2.22	23.92
(1,170)	1:74:E:VAL:C	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	7	23.18	2.21	23.89
(1,94)	1:56:D:ALA:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	7	12.81	2.12	13.59
(1,95)	1:56:E:ALA:C	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	7	12.81	2.09	13.56
(1,93)	1:56:C:ALA:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	7	12.81	2.1	13.55
(1,92)	1:56:B:ALA:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	7	12.8	2.1	13.56
(1,91)	1:56:A:ALA:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	7	12.8	2.11	13.54

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,268)	1:96:C:LYS:C	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	7	9.8	2.4	9.03
(1,266)	1:96:A:LYS:C	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	7	9.79	2.41	9.03
(1,270)	1:96:E:LYS:C	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	7	9.79	2.39	9.03
(1,267)	1:96:B:LYS:C	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	7	9.79	2.39	9.0
(1,269)	1:96:D:LYS:C	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	7	9.78	2.4	9.05
(1,387)	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	1:62:B:GLN:N	7	8.5	0.59	8.66
(1,386)	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	1:62:A:GLN:N	7	8.5	0.58	8.61
(1,390)	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	1:62:E:GLN:N	7	8.49	0.57	8.49
(1,389)	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	1:62:D:GLN:N	7	8.48	0.57	8.57
(1,388)	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	1:62:C:GLN:N	7	8.47	0.61	8.66
(1,81)	1:54:A:THR:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	7	8.22	7.91	1.88
(1,85)	1:54:E:THR:C	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	7	8.2	7.87	1.92
(1,140)	1:65:E:ASN:C	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	7	3.53	1.22	3.21
(1,139)	1:65:D:ASN:C	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	7	3.52	1.23	3.25
(1,136)	1:65:A:ASN:C	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	7	3.51	1.22	3.17
(1,549)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:CB	1:37:D:VAL:CG1	7	3.45	1.43	4.28
(1,547)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:CB	1:37:B:VAL:CG1	7	3.44	1.41	4.24
(1,546)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:CB	1:37:A:VAL:CG1	7	3.43	1.41	4.3
(1,550)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:CB	1:37:E:VAL:CG1	7	3.43	1.42	4.28
(1,548)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:CB	1:37:C:VAL:CG1	7	3.43	1.43	4.28
(1,306)	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	1:44:A:THR:N	6	21.25	0.98	21.41
(1,309)	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	1:44:D:THR:N	6	21.22	1.01	21.37
(1,307)	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	1:44:B:THR:N	6	21.22	0.99	21.4
(1,308)	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	1:44:C:THR:N	6	21.2	1.01	21.32
(1,310)	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	1:44:E:THR:N	6	21.2	1.0	21.35
(1,431)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	1:73:A:GLY:N	6	14.0	3.01	15.85
(1,434)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:C	1:73:D:GLY:N	6	13.98	2.99	15.81
(1,433)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:C	1:73:C:GLY:N	6	13.97	2.96	15.76
(1,435)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:C	1:73:E:GLY:N	6	13.97	2.99	15.8
(1,432)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:C	1:73:B:GLY:N	6	13.94	3.0	15.8
(1,84)	1:54:D:THR:C	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	6	9.41	7.91	9.33
(1,82)	1:54:B:THR:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	6	9.41	7.92	9.4
(1,83)	1:54:C:THR:C	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	6	9.4	7.92	9.38
(1,522)	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	1:93:B:GLY:N	6	3.95	2.91	3.06
(1,525)	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	1:93:E:GLY:N	6	3.94	2.89	3.06
(1,521)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLY:N	6	3.93	2.89	3.04
(1,524)	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	1:93:D:GLY:N	6	3.93	2.9	3.04
(1,523)	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	1:93:C:GLY:N	6	3.92	2.91	3.04
(1,670)	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:CB	1:94:E:PHE:CG	5	9.33	5.76	6.91
(1,667)	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:CB	1:94:B:PHE:CG	5	9.33	5.78	6.88
(1,668)	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:CB	1:94:C:PHE:CG	5	9.33	5.79	6.88
(1,669)	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:CB	1:94:D:PHE:CG	5	9.32	5.77	6.89
(1,666)	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:CB	1:94:A:PHE:CG	5	9.31	5.77	6.91
(1,10)	1:36:E:GLY:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	5	9.04	1.58	8.98
(1,6)	1:36:A:GLY:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	5	9.03	1.6	8.95
(1,8)	1:36:C:GLY:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	5	9.02	1.62	9.0
(1,363)	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	1:57:C:GLU:N	5	9.01	6.64	9.47
(1,9)	1:36:D:GLY:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	5	9.01	1.62	8.89
(1,364)	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	1:57:D:GLU:N	5	9.0	6.64	9.48
(1,365)	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	1:57:E:GLU:N	5	9.0	6.64	9.51
(1,361)	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	1:57:A:GLU:N	5	8.99	6.65	9.51

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,7)	1:36:B:GLY:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	5	8.98	1.62	8.97
(1,362)	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	1:57:B:GLU:N	5	8.98	6.63	9.47
(1,418)	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	1:70:C:VAL:N	5	4.86	1.73	5.85
(1,416)	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	1:70:A:VAL:N	5	4.84	1.73	5.82
(1,420)	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	1:70:E:VAL:N	5	4.84	1.73	5.82
(1,417)	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	1:70:B:VAL:N	5	4.83	1.72	5.82
(1,419)	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	1:70:D:VAL:N	5	4.81	1.74	5.75
(1,516)	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1:92:A:THR:N	5	3.02	1.05	3.45
(1,517)	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	1:92:B:THR:N	5	3.02	1.08	3.47
(1,519)	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	1:92:D:THR:N	5	3.01	1.06	3.55
(1,520)	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	1:92:E:THR:N	5	3.01	1.07	3.45
(1,518)	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	1:92:C:THR:N	5	2.98	1.05	3.42
(1,143)	1:68:C:GLY:C	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	5	2.42	1.43	1.93
(1,141)	1:68:A:GLY:C	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	5	2.41	1.46	1.96
(1,145)	1:68:E:GLY:C	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	5	2.41	1.4	1.91
(1,144)	1:68:D:GLY:C	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	5	2.38	1.42	1.96
(1,142)	1:68:B:GLY:C	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	5	2.38	1.42	1.87
(1,535)	1:95:E:VAL:N	1:95:E:VAL:CA	1:95:E:VAL:C	1:96:E:LYS:N	4	18.41	9.69	23.65
(1,534)	1:95:D:VAL:N	1:95:D:VAL:CA	1:95:D:VAL:C	1:96:D:LYS:N	4	18.4	9.66	23.63
(1,533)	1:95:C:VAL:N	1:95:C:VAL:CA	1:95:C:VAL:C	1:96:C:LYS:N	4	18.39	9.65	23.62
(1,532)	1:95:B:VAL:N	1:95:B:VAL:CA	1:95:B:VAL:C	1:96:B:LYS:N	4	18.38	9.66	23.6
(1,531)	1:95:A:VAL:N	1:95:A:VAL:CA	1:95:A:VAL:C	1:96:A:LYS:N	4	18.37	9.62	23.57
(1,4)	1:35:D:GLU:C	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	4	17.48	1.99	17.34
(1,1)	1:35:A:GLU:C	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	4	17.48	2.02	17.33
(1,2)	1:35:B:GLU:C	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	4	17.48	2.02	17.37
(1,3)	1:35:C:GLU:C	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	4	17.46	2.05	17.34
(1,5)	1:35:E:GLU:C	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	4	17.46	2.0	17.34
(1,111)	1:60:A:LYS:C	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	4	3.25	1.87	2.7
(1,113)	1:60:C:LYS:C	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	4	3.24	1.87	2.69
(1,114)	1:60:D:LYS:C	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	4	3.24	1.84	2.69
(1,115)	1:60:E:LYS:C	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	4	3.23	1.88	2.66
(1,112)	1:60:B:LYS:C	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	4	3.19	1.83	2.64
(1,536)	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	1:97:A:LYS:N	3	19.07	2.16	18.86
(1,538)	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	1:97:C:LYS:N	3	19.04	2.1	18.81
(1,540)	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	1:97:E:LYS:N	3	19.03	2.13	18.75
(1,539)	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	1:97:D:LYS:N	3	19.02	2.16	18.86
(1,537)	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	1:97:B:LYS:N	3	19.02	2.16	18.81
(1,118)	1:61:C:GLU:C	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	3	12.83	0.2	12.85
(1,117)	1:61:B:GLU:C	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	3	12.82	0.22	12.84
(1,119)	1:61:D:GLU:C	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	3	12.81	0.17	12.84
(1,120)	1:61:E:GLU:C	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	3	12.79	0.22	12.76
(1,116)	1:61:A:GLU:C	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	3	12.79	0.2	12.8
(1,481)	1:83:A:GLU:N	1:83:A:GLU:CA	1:83:A:GLU:C	1:84:A:GLY:N	3	4.81	3.04	2.73
(1,484)	1:83:D:GLU:N	1:83:D:GLU:CA	1:83:D:GLU:C	1:84:D:GLY:N	3	4.79	3.02	2.73
(1,485)	1:83:E:GLU:N	1:83:E:GLU:CA	1:83:E:GLU:C	1:84:E:GLY:N	3	4.79	3.02	2.73
(1,482)	1:83:B:GLU:N	1:83:B:GLU:CA	1:83:B:GLU:C	1:84:B:GLY:N	3	4.79	3.0	2.7
(1,483)	1:83:C:GLU:N	1:83:C:GLU:CA	1:83:C:GLU:C	1:84:C:GLY:N	3	4.77	2.99	2.73
(1,186)	1:78:A:ALA:C	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	3	3.74	1.61	3.57
(1,190)	1:78:E:ALA:C	1:79:E:GLN:N	1:79:E:GLN:CA	1:79:E:GLN:C	3	3.73	1.6	3.57
(1,187)	1:78:B:ALA:C	1:79:B:GLN:N	1:79:B:GLN:CA	1:79:B:GLN:C	3	3.73	1.61	3.57
(1,188)	1:78:C:ALA:C	1:79:C:GLN:N	1:79:C:GLN:CA	1:79:C:GLN:C	3	3.72	1.6	3.57

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,189)	1:78:D:ALA:C	1:79:D:GLN:N	1:79:D:GLN:CA	1:79:D:GLN:C	3	3.7	1.61	3.55
(1,246)	1:91:A:ALA:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	3	3.29	1.76	2.66
(1,248)	1:91:C:ALA:C	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	3	3.28	1.77	2.6
(1,249)	1:91:D:ALA:C	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	3	3.26	1.77	2.57
(1,247)	1:91:B:ALA:C	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	3	3.24	1.73	2.61
(1,250)	1:91:E:ALA:C	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	3	3.24	1.8	2.59
(1,46)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	3	1.91	1.04	1.36
(1,14)	1:38:D:LEU:C	1:39:D:TYR:N	1:39:D:TYR:CA	1:39:D:TYR:C	2	24.69	1.73	24.69
(1,13)	1:38:C:LEU:C	1:39:C:TYR:N	1:39:C:TYR:CA	1:39:C:TYR:C	2	24.68	1.74	24.68
(1,11)	1:38:A:LEU:C	1:39:A:TYR:N	1:39:A:TYR:CA	1:39:A:TYR:C	2	24.68	1.7	24.68
(1,15)	1:38:E:LEU:C	1:39:E:TYR:N	1:39:E:TYR:CA	1:39:E:TYR:C	2	24.68	1.74	24.68
(1,12)	1:38:B:LEU:C	1:39:B:TYR:N	1:39:B:TYR:CA	1:39:B:TYR:C	2	24.64	1.77	24.64
(1,52)	1:47:B:GLY:C	1:48:B:VAL:N	1:48:B:VAL:CA	1:48:B:VAL:C	2	18.66	0.14	18.66
(1,54)	1:47:D:GLY:C	1:48:D:VAL:N	1:48:D:VAL:CA	1:48:D:VAL:C	2	18.66	0.12	18.66
(1,55)	1:47:E:GLY:C	1:48:E:VAL:N	1:48:E:VAL:CA	1:48:E:VAL:C	2	18.63	0.17	18.63
(1,51)	1:47:A:GLY:C	1:48:A:VAL:N	1:48:A:VAL:CA	1:48:A:VAL:C	2	18.62	0.13	18.62
(1,53)	1:47:C:GLY:C	1:48:C:VAL:N	1:48:C:VAL:CA	1:48:C:VAL:C	2	18.6	0.18	18.6
(1,428)	1:71:C:VAL:N	1:71:C:VAL:CA	1:71:C:VAL:C	1:72:C:THR:N	2	14.19	0.06	14.19
(1,429)	1:71:D:VAL:N	1:71:D:VAL:CA	1:71:D:VAL:C	1:72:D:THR:N	2	14.17	0.03	14.17
(1,427)	1:71:B:VAL:N	1:71:B:VAL:CA	1:71:B:VAL:C	1:72:B:THR:N	2	14.16	0.08	14.16
(1,426)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:THR:N	2	14.13	0.04	14.13
(1,430)	1:71:E:VAL:N	1:71:E:VAL:CA	1:71:E:VAL:C	1:72:E:THR:N	2	14.12	0.09	14.12
(1,446)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:VAL:N	2	13.86	1.08	13.86
(1,448)	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	1:77:C:VAL:N	2	13.84	1.07	13.84
(1,450)	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	1:77:E:VAL:N	2	13.83	1.04	13.83
(1,449)	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	1:77:D:VAL:N	2	13.81	1.04	13.81
(1,447)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:VAL:N	2	13.8	1.08	13.8
(1,504)	1:88:D:ILE:N	1:88:D:ILE:CA	1:88:D:ILE:C	1:89:D:ALA:N	2	5.94	0.6	5.94
(1,503)	1:88:C:ILE:N	1:88:C:ILE:CA	1:88:C:ILE:C	1:89:C:ALA:N	2	5.93	0.58	5.93
(1,502)	1:88:B:ILE:N	1:88:B:ILE:CA	1:88:B:ILE:C	1:89:B:ALA:N	2	5.9	0.59	5.9
(1,505)	1:88:E:ILE:N	1:88:E:ILE:CA	1:88:E:ILE:C	1:89:E:ALA:N	2	5.87	0.59	5.87
(1,501)	1:88:A:ILE:N	1:88:A:ILE:CA	1:88:A:ILE:C	1:89:A:ALA:N	2	5.86	0.58	5.86
(1,23)	1:40:C:VAL:C	1:41:C:GLY:N	1:41:C:GLY:CA	1:41:C:GLY:C	2	5.08	3.9	5.08
(1,24)	1:40:D:VAL:C	1:41:D:GLY:N	1:41:D:GLY:CA	1:41:D:GLY:C	2	5.07	3.96	5.07
(1,21)	1:40:A:VAL:C	1:41:A:GLY:N	1:41:A:GLY:CA	1:41:A:GLY:C	2	5.04	3.94	5.04
(1,22)	1:40:B:VAL:C	1:41:B:GLY:N	1:41:B:GLY:CA	1:41:B:GLY:C	2	5.04	3.96	5.04
(1,25)	1:40:E:VAL:C	1:41:E:GLY:N	1:41:E:GLY:CA	1:41:E:GLY:C	2	5.02	3.94	5.02
(1,556)	1:39:A:TYR:N	1:39:A:TYR:CA	1:39:A:TYR:CB	1:39:A:TYR:CG	2	4.72	0.41	4.72
(1,557)	1:39:B:TYR:N	1:39:B:TYR:CA	1:39:B:TYR:CB	1:39:B:TYR:CG	2	4.72	0.38	4.72
(1,559)	1:39:D:TYR:N	1:39:D:TYR:CA	1:39:D:TYR:CB	1:39:D:TYR:CG	2	4.7	0.44	4.7
(1,560)	1:39:E:TYR:N	1:39:E:TYR:CA	1:39:E:TYR:CB	1:39:E:TYR:CG	2	4.7	0.44	4.7
(1,558)	1:39:C:TYR:N	1:39:C:TYR:CA	1:39:C:TYR:CB	1:39:C:TYR:CG	2	4.69	0.44	4.69
(1,371)	1:58:A:LYS:N	1:58:A:LYS:CA	1:58:A:LYS:C	1:59:A:THR:N	2	3.76	2.17	3.76
(1,374)	1:58:D:LYS:N	1:58:D:LYS:CA	1:58:D:LYS:C	1:59:D:THR:N	2	3.76	2.19	3.76
(1,375)	1:58:E:LYS:N	1:58:E:LYS:CA	1:58:E:LYS:C	1:59:E:THR:N	2	3.72	2.24	3.72
(1,373)	1:58:C:LYS:N	1:58:C:LYS:CA	1:58:C:LYS:C	1:59:C:THR:N	2	3.72	2.24	3.72
(1,372)	1:58:B:LYS:N	1:58:B:LYS:CA	1:58:B:LYS:C	1:59:B:THR:N	2	3.72	2.23	3.72
(1,454)	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	1:78:D:ALA:N	2	3.2	0.75	3.2
(1,453)	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	1:78:C:ALA:N	2	3.2	0.75	3.2
(1,451)	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	1:78:A:ALA:N	2	3.2	0.78	3.2
(1,452)	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	1:78:B:ALA:N	2	3.13	0.71	3.13

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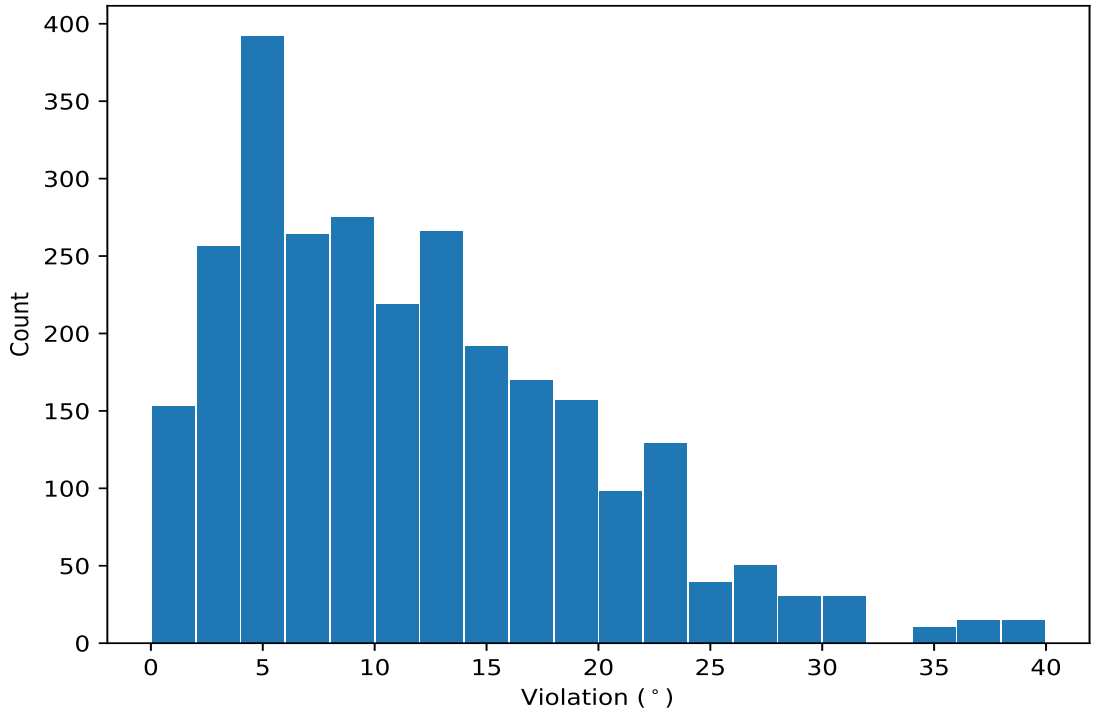
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,455)	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	1:78:E:ALA:N	2	3.13	0.74	3.13
(1,376)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:LYS:N	2	2.56	0.57	2.56
(1,379)	1:59:D:THR:N	1:59:D:THR:CA	1:59:D:THR:C	1:60:D:LYS:N	2	2.52	0.56	2.52
(1,380)	1:59:E:THR:N	1:59:E:THR:CA	1:59:E:THR:C	1:60:E:LYS:N	2	2.48	0.59	2.48
(1,378)	1:59:C:THR:N	1:59:C:THR:CA	1:59:C:THR:C	1:60:C:LYS:N	2	2.47	0.5	2.47
(1,377)	1:59:B:THR:N	1:59:B:THR:CA	1:59:B:THR:C	1:60:B:LYS:N	2	2.42	0.5	2.42
(1,47)	1:45:B:LYS:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	2	2.37	1.04	2.37
(1,48)	1:45:C:LYS:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	2	2.36	1.04	2.36
(1,50)	1:45:E:LYS:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	2	2.36	1.0	2.36
(1,49)	1:45:D:LYS:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	2	2.35	1.0	2.35
(1,348)	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	1:54:C:THR:N	2	1.35	0.18	1.35
(1,350)	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	1:54:E:THR:N	2	1.33	0.2	1.33
(1,346)	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	1:54:A:THR:N	2	1.31	0.18	1.31
(1,347)	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	1:54:B:THR:N	2	1.31	0.19	1.31
(1,349)	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	1:54:D:THR:N	2	1.28	0.18	1.28

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

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



10.5.2 Table: All violated dihedral-angle restraints (i)

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	1	39.98
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	1	39.98
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	1	39.96
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	1	39.96
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	1	39.94
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	4	39.72
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	4	39.7
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	4	39.7
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	4	39.69
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	4	39.67
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	2	38.33
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	2	38.3
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	2	38.29
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	2	38.28
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	2	38.28
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	8	37.85
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	8	37.84
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	8	37.83
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	8	37.79
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	8	37.77
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	10	36.88
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	10	36.84
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	10	36.81
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	10	36.81
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	10	36.81
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	6	36.65
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	6	36.65
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	6	36.62
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	6	36.61
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	6	36.61
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	10	35.4
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	10	35.37
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	10	35.36
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	10	35.33
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	10	35.33
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	4	34.6
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	4	34.57
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	4	34.55
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	4	34.54
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	4	34.48
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	5	31.47
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	5	31.45
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	5	31.44
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	5	31.41
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	5	31.39
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	7	31.18
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	7	31.17

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	7	31.16
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	7	31.1
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	7	31.09
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	3	31.06
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	3	31.02
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	3	31.02
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	3	31.0
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	3	31.0
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	1	30.48
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	1	30.48
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	1	30.46
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	1	30.44
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	1	30.44
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	8	30.34
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	8	30.3
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	8	30.28
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	8	30.25
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	8	30.23
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	9	30.13
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	9	30.12
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	9	30.11
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	9	30.09
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	9	30.03
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	4	29.54
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	4	29.54
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	4	29.49
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	4	29.48
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	4	29.46
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	9	29.21
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	9	29.17
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	9	29.17
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	9	29.17
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	1	29.16
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	1	29.16
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	9	29.12
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	1	29.11
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	1	29.11
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	1	29.11
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	5	28.93
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	5	28.88
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	5	28.87
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	5	28.85
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	5	28.85
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	9	28.73
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	9	28.72
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	9	28.71
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	9	28.7
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	9	28.66
(1,284)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:LEU:N	5	28.55
(1,282)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:LEU:N	5	28.53
(1,285)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:LEU:N	5	28.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,283)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:LEU:N	5	28.44
(1,281)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:LEU:N	5	28.43
(1,193)	1:79:C:GLN:C	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	2	27.94
(1,192)	1:79:B:GLN:C	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	2	27.92
(1,195)	1:79:E:GLN:C	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	2	27.9
(1,194)	1:79:D:GLN:C	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	2	27.88
(1,191)	1:79:A:GLN:C	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	2	27.88
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	3	27.87
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	3	27.85
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	3	27.82
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	3	27.82
(1,282)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:LEU:N	8	27.81
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	3	27.81
(1,285)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:LEU:N	8	27.77
(1,283)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:LEU:N	8	27.77
(1,281)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:LEU:N	8	27.77
(1,284)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:LEU:N	8	27.73
(1,467)	1:80:B:LYS:N	1:80:B:LYS:CA	1:80:B:LYS:C	1:81:B:THR:N	7	27.61
(1,468)	1:80:C:LYS:N	1:80:C:LYS:CA	1:80:C:LYS:C	1:81:C:THR:N	7	27.6
(1,470)	1:80:E:LYS:N	1:80:E:LYS:CA	1:80:E:LYS:C	1:81:E:THR:N	7	27.56
(1,466)	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	1:81:A:THR:N	7	27.56
(1,469)	1:80:D:LYS:N	1:80:D:LYS:CA	1:80:D:LYS:C	1:81:D:THR:N	7	27.54
(1,282)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:LEU:N	10	27.03
(1,283)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:LEU:N	10	27.02
(1,284)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:LEU:N	10	26.99
(1,285)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:LEU:N	10	26.98
(1,281)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:LEU:N	10	26.98
(1,283)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:LEU:N	6	26.61
(1,282)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:LEU:N	6	26.61
(1,281)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:LEU:N	6	26.5
(1,285)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:LEU:N	6	26.48
(1,284)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:LEU:N	6	26.46
(1,13)	1:38:C:LEU:C	1:39:C:TYR:N	1:39:C:TYR:CA	1:39:C:TYR:C	4	26.43
(1,15)	1:38:E:LEU:C	1:39:E:TYR:N	1:39:E:TYR:CA	1:39:E:TYR:C	4	26.42
(1,14)	1:38:D:LEU:C	1:39:D:TYR:N	1:39:D:TYR:CA	1:39:D:TYR:C	4	26.42
(1,12)	1:38:B:LEU:C	1:39:B:TYR:N	1:39:B:TYR:CA	1:39:B:TYR:C	4	26.41
(1,11)	1:38:A:LEU:C	1:39:A:TYR:N	1:39:A:TYR:CA	1:39:A:TYR:C	4	26.38
(1,284)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:LEU:N	7	26.34
(1,281)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:LEU:N	7	26.33
(1,285)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:LEU:N	1	26.32
(1,282)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:LEU:N	1	26.32
(1,281)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:LEU:N	1	26.32
(1,285)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:LEU:N	7	26.31
(1,283)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:LEU:N	7	26.31
(1,284)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:LEU:N	1	26.28
(1,283)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:LEU:N	1	26.25
(1,282)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:LEU:N	7	26.24
(1,283)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:LEU:N	2	26.15
(1,281)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:LEU:N	2	26.09
(1,284)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:LEU:N	2	26.04
(1,285)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:LEU:N	2	26.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,282)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:LEU:N	2	26.0
(1,103)	1:58:C:LYS:C	1:59:C:THR:N	1:59:C:THR:CA	1:59:C:THR:C	6	25.86
(1,102)	1:58:B:LYS:C	1:59:B:THR:N	1:59:B:THR:CA	1:59:B:THR:C	6	25.83
(1,105)	1:58:E:LYS:C	1:59:E:THR:N	1:59:E:THR:CA	1:59:E:THR:C	6	25.81
(1,104)	1:58:D:LYS:C	1:59:D:THR:N	1:59:D:THR:CA	1:59:D:THR:C	6	25.81
(1,101)	1:58:A:LYS:C	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	6	25.81
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	8	25.59
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	8	25.59
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	8	25.54
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	8	25.53
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	8	25.51
(1,535)	1:95:E:VAL:N	1:95:E:VAL:CA	1:95:E:VAL:C	1:96:E:LYS:N	2	24.69
(1,534)	1:95:D:VAL:N	1:95:D:VAL:CA	1:95:D:VAL:C	1:96:D:LYS:N	2	24.67
(1,533)	1:95:C:VAL:N	1:95:C:VAL:CA	1:95:C:VAL:C	1:96:C:LYS:N	2	24.64
(1,532)	1:95:B:VAL:N	1:95:B:VAL:CA	1:95:B:VAL:C	1:96:B:LYS:N	2	24.64
(1,531)	1:95:A:VAL:N	1:95:A:VAL:CA	1:95:A:VAL:C	1:96:A:LYS:N	2	24.61
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	6	24.59
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	6	24.55
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	6	24.53
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	6	24.5
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	6	24.49
(1,169)	1:74:D:VAL:C	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	6	24.49
(1,169)	1:74:D:VAL:C	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	9	24.48
(1,168)	1:74:C:VAL:C	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	9	24.47
(1,170)	1:74:E:VAL:C	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	9	24.46
(1,170)	1:74:E:VAL:C	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	6	24.45
(1,168)	1:74:C:VAL:C	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	6	24.45
(1,167)	1:74:B:VAL:C	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	9	24.45
(1,166)	1:74:A:VAL:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	9	24.45
(1,167)	1:74:B:VAL:C	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	6	24.44
(1,166)	1:74:A:VAL:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	6	24.44
(1,166)	1:74:A:VAL:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	4	24.31
(1,167)	1:74:B:VAL:C	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	4	24.29
(1,169)	1:74:D:VAL:C	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	4	24.28
(1,168)	1:74:C:VAL:C	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	4	24.28
(1,170)	1:74:E:VAL:C	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	4	24.26
(1,535)	1:95:E:VAL:N	1:95:E:VAL:CA	1:95:E:VAL:C	1:96:E:LYS:N	9	24.06
(1,534)	1:95:D:VAL:N	1:95:D:VAL:CA	1:95:D:VAL:C	1:96:D:LYS:N	9	24.01
(1,532)	1:95:B:VAL:N	1:95:B:VAL:CA	1:95:B:VAL:C	1:96:B:LYS:N	9	24.01
(1,531)	1:95:A:VAL:N	1:95:A:VAL:CA	1:95:A:VAL:C	1:96:A:LYS:N	9	24.01
(1,533)	1:95:C:VAL:N	1:95:C:VAL:CA	1:95:C:VAL:C	1:96:C:LYS:N	9	23.99
(1,169)	1:74:D:VAL:C	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	3	23.99
(1,167)	1:74:B:VAL:C	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	3	23.95
(1,166)	1:74:A:VAL:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	3	23.92
(1,168)	1:74:C:VAL:C	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	3	23.91
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	5	23.9
(1,170)	1:74:E:VAL:C	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	3	23.89
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	5	23.88
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	5	23.87
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	5	23.84
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	5	23.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,168)	1:74:C:VAL:C	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	2	23.78
(1,168)	1:74:C:VAL:C	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	8	23.78
(1,167)	1:74:B:VAL:C	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	2	23.75
(1,169)	1:74:D:VAL:C	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	8	23.74
(1,166)	1:74:A:VAL:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	2	23.74
(1,169)	1:74:D:VAL:C	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	2	23.73
(1,167)	1:74:B:VAL:C	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	8	23.73
(1,166)	1:74:A:VAL:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	8	23.72
(1,170)	1:74:E:VAL:C	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	2	23.7
(1,170)	1:74:E:VAL:C	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	8	23.7
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	2	23.64
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	2	23.62
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	2	23.61
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	2	23.61
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	3	23.58
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	10	23.57
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	2	23.56
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	10	23.56
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	10	23.56
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	10	23.56
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	3	23.55
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	3	23.55
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	3	23.55
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	3	23.54
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	10	23.53
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	7	23.45
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	7	23.45
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	7	23.44
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	7	23.42
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	7	23.41
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	3	23.32
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	3	23.3
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	3	23.3
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	3	23.3
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	3	23.29
(1,534)	1:95:D:VAL:N	1:95:D:VAL:CA	1:95:D:VAL:C	1:96:D:LYS:N	4	23.25
(1,535)	1:95:E:VAL:N	1:95:E:VAL:CA	1:95:E:VAL:C	1:96:E:LYS:N	4	23.24
(1,533)	1:95:C:VAL:N	1:95:C:VAL:CA	1:95:C:VAL:C	1:96:C:LYS:N	4	23.24
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	10	23.23
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	10	23.23
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	10	23.21
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	10	23.21
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	1	23.21
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	1	23.21
(1,532)	1:95:B:VAL:N	1:95:B:VAL:CA	1:95:B:VAL:C	1:96:B:LYS:N	4	23.19
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	10	23.19
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	1	23.17
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	1	23.17
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	1	23.17
(1,531)	1:95:A:VAL:N	1:95:A:VAL:CA	1:95:A:VAL:C	1:96:A:LYS:N	4	23.13
(1,11)	1:38:A:LEU:C	1:39:A:TYR:N	1:39:A:TYR:CA	1:39:A:TYR:C	3	22.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,14)	1:38:D:LEU:C	1:39:D:TYR:N	1:39:D:TYR:CA	1:39:D:TYR:C	3	22.96
(1,15)	1:38:E:LEU:C	1:39:E:TYR:N	1:39:E:TYR:CA	1:39:E:TYR:C	3	22.94
(1,13)	1:38:C:LEU:C	1:39:C:TYR:N	1:39:C:TYR:CA	1:39:C:TYR:C	3	22.94
(1,12)	1:38:B:LEU:C	1:39:B:TYR:N	1:39:B:TYR:CA	1:39:B:TYR:C	3	22.87
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	9	22.84
(1,309)	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	1:44:D:THR:N	1	22.83
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	9	22.83
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	8	22.81
(1,308)	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	1:44:C:THR:N	1	22.8
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	9	22.79
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	4	22.79
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	8	22.78
(1,310)	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	1:44:E:THR:N	1	22.78
(1,306)	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	1:44:A:THR:N	1	22.78
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	8	22.77
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	9	22.77
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	8	22.76
(1,307)	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	1:44:B:THR:N	1	22.75
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	4	22.75
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	4	22.75
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	9	22.75
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	4	22.74
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	8	22.72
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	2	22.71
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	2	22.69
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	2	22.69
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	4	22.69
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	2	22.66
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	2	22.65
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	7	22.59
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	7	22.56
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	7	22.52
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	7	22.5
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	10	22.47
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	7	22.47
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1	22.46
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1	22.46
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1	22.46
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	10	22.45
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	10	22.44
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	8	22.4
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1	22.4
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	2	22.4
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	10	22.38
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1	22.38
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	10	22.37
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	2	22.33
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	8	22.32
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	2	22.32
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	6	22.32
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	8	22.31

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	8	22.31
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	6	22.31
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	6	22.3
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	8	22.28
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	2	22.28
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	6	22.27
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	2	22.26
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	6	22.24
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	7	22.1
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	7	22.09
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	7	22.08
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	7	22.06
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	7	22.06
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	8	22.01
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	8	22.01
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	8	22.01
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	8	21.97
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	8	21.92
(1,536)	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	1:97:A:LYS:N	6	21.81
(1,540)	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	1:97:E:LYS:N	6	21.77
(1,537)	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	1:97:B:LYS:N	6	21.76
(1,539)	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	1:97:D:LYS:N	6	21.74
(1,538)	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	1:97:C:LYS:N	6	21.72
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	8	21.66
(1,308)	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	1:44:C:THR:N	2	21.65
(1,306)	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	1:44:A:THR:N	2	21.63
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	8	21.62
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	8	21.61
(1,309)	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	1:44:D:THR:N	2	21.6
(1,307)	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	1:44:B:THR:N	2	21.6
(1,307)	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	1:44:B:THR:N	3	21.59
(1,306)	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	1:44:A:THR:N	3	21.58
(1,310)	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	1:44:E:THR:N	2	21.56
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	8	21.54
(1,309)	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	1:44:D:THR:N	3	21.54
(1,308)	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	1:44:C:THR:N	3	21.54
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	8	21.53
(1,310)	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	1:44:E:THR:N	3	21.52
(1,306)	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	1:44:A:THR:N	9	21.24
(1,307)	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	1:44:B:THR:N	9	21.22
(1,309)	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	1:44:D:THR:N	9	21.2
(1,310)	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	1:44:E:THR:N	9	21.18
(1,308)	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	1:44:C:THR:N	9	21.11
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	6	20.95
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	6	20.94
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	6	20.94
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	6	20.9
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	6	20.86
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	5	20.82
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	5	20.81
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	5	20.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	6	20.8
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	6	20.79
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	6	20.77
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	5	20.76
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	5	20.76
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	6	20.74
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	1	20.73
(1,306)	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	1:44:A:THR:N	8	20.72
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	6	20.72
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	1	20.69
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	1	20.69
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	1	20.68
(1,309)	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	1:44:D:THR:N	8	20.67
(1,310)	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	1:44:E:THR:N	8	20.66
(1,308)	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	1:44:C:THR:N	8	20.66
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	1	20.65
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	10	20.64
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	10	20.64
(1,307)	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	1:44:B:THR:N	8	20.63
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	10	20.6
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	7	20.6
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	7	20.59
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	7	20.59
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	8	20.58
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	7	20.57
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	7	20.57
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	10	20.57
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	10	20.57
(1,80)	1:53:E:ALA:C	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	8	20.57
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	7	20.55
(1,76)	1:53:A:ALA:C	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	7	20.54
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	7	20.53
(1,79)	1:53:D:ALA:C	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	8	20.51
(1,78)	1:53:C:ALA:C	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	8	20.51
(1,77)	1:53:B:ALA:C	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	8	20.51
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	7	20.5
(1,668)	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:CB	1:94:C:PHE:CG	8	20.49
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	7	20.49
(1,667)	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:CB	1:94:B:PHE:CG	8	20.47
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	3	20.47
(1,669)	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:CB	1:94:D:PHE:CG	8	20.44
(1,670)	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:CB	1:94:E:PHE:CG	8	20.43
(1,666)	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:CB	1:94:A:PHE:CG	8	20.43
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	3	20.43
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	3	20.37
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	3	20.36
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	3	20.34
(1,3)	1:35:C:GLU:C	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	10	20.28
(1,1)	1:35:A:GLU:C	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	10	20.28
(1,4)	1:35:D:GLU:C	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	10	20.25
(1,2)	1:35:B:GLU:C	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	10	20.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,5)	1:35:E:GLU:C	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	10	20.21
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	3	20.16
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	3	20.13
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	3	20.13
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	3	20.13
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	6	20.1
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	6	20.1
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	3	20.09
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	6	20.09
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	9	20.04
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	6	20.03
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	6	20.01
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	9	19.99
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	9	19.99
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	9	19.99
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	9	19.98
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	9	19.97
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	9	19.96
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	9	19.94
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	9	19.93
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	9	19.93
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	3	19.87
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	3	19.87
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	3	19.85
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	3	19.83
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	6	19.82
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	6	19.81
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	4	19.8
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	4	19.8
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	6	19.79
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	6	19.79
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	6	19.78
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	3	19.77
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	1	19.74
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	4	19.74
(1,364)	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	1:57:D:GLU:N	10	19.73
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	1	19.72
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	1	19.72
(1,363)	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	1:57:C:GLU:N	10	19.72
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	4	19.72
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	1	19.71
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	1	19.71
(1,365)	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	1:57:E:GLU:N	10	19.71
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	4	19.7
(1,361)	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	1:57:A:GLU:N	10	19.68
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	2	19.65
(1,362)	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	1:57:B:GLU:N	10	19.64
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	2	19.63
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	2	19.62
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	2	19.61
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	2	19.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,236)	1:89:A:ALA:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	9	19.6
(1,240)	1:89:E:ALA:C	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	9	19.56
(1,238)	1:89:C:ALA:C	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	9	19.55
(1,237)	1:89:B:ALA:C	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	9	19.55
(1,306)	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	1:44:A:THR:N	6	19.54
(1,239)	1:89:D:ALA:C	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	9	19.52
(1,309)	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	1:44:D:THR:N	6	19.51
(1,307)	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	1:44:B:THR:N	6	19.5
(1,310)	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	1:44:E:THR:N	6	19.49
(1,308)	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	1:44:C:THR:N	6	19.47
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	7	19.45
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	5	19.42
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	7	19.41
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	5	19.4
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	5	19.39
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	5	19.38
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	7	19.37
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	7	19.37
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	7	19.36
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	5	19.35
(1,127)	1:63:B:VAL:C	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	3	19.13
(1,126)	1:63:A:VAL:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	3	19.12
(1,128)	1:63:C:VAL:C	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	3	19.11
(1,130)	1:63:E:VAL:C	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	3	19.1
(1,128)	1:63:C:VAL:C	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	8	19.09
(1,129)	1:63:D:VAL:C	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	8	19.08
(1,130)	1:63:E:VAL:C	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	8	19.07
(1,129)	1:63:D:VAL:C	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	3	19.07
(1,127)	1:63:B:VAL:C	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	8	19.06
(1,126)	1:63:A:VAL:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	8	19.04
(1,355)	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	1:55:E:VAL:N	1	18.97
(1,354)	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	1:55:D:VAL:N	1	18.97
(1,351)	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	1:55:A:VAL:N	1	18.97
(1,353)	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	1:55:C:VAL:N	1	18.92
(1,352)	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	1:55:B:VAL:N	1	18.89
(1,539)	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	1:97:D:LYS:N	10	18.86
(1,536)	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	1:97:A:LYS:N	10	18.86
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	2	18.84
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	2	18.83
(1,538)	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	1:97:C:LYS:N	10	18.81
(1,537)	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	1:97:B:LYS:N	10	18.81
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	7	18.81
(1,52)	1:47:B:GLY:C	1:48:B:VAL:N	1:48:B:VAL:CA	1:48:B:VAL:C	9	18.81
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	2	18.8
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	7	18.8
(1,55)	1:47:E:GLY:C	1:48:E:VAL:N	1:48:E:VAL:CA	1:48:E:VAL:C	9	18.8
(1,54)	1:47:D:GLY:C	1:48:D:VAL:N	1:48:D:VAL:CA	1:48:D:VAL:C	9	18.79
(1,53)	1:47:C:GLY:C	1:48:C:VAL:N	1:48:C:VAL:CA	1:48:C:VAL:C	9	18.79
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	7	18.77
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	2	18.76
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	7	18.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	7	18.76
(1,540)	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	1:97:E:LYS:N	10	18.75
(1,51)	1:47:A:GLY:C	1:48:A:VAL:N	1:48:A:VAL:CA	1:48:A:VAL:C	9	18.75
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	2	18.73
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	9	18.69
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	9	18.64
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	9	18.64
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	9	18.63
(1,152)	1:70:B:VAL:C	1:71:B:VAL:N	1:71:B:VAL:CA	1:71:B:VAL:C	4	18.61
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	9	18.6
(1,155)	1:70:E:VAL:C	1:71:E:VAL:N	1:71:E:VAL:CA	1:71:E:VAL:C	4	18.6
(1,151)	1:70:A:VAL:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	4	18.59
(1,355)	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	1:55:E:VAL:N	9	18.58
(1,153)	1:70:C:VAL:C	1:71:C:VAL:N	1:71:C:VAL:CA	1:71:C:VAL:C	4	18.58
(1,154)	1:70:D:VAL:C	1:71:D:VAL:N	1:71:D:VAL:CA	1:71:D:VAL:C	4	18.57
(1,354)	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	1:55:D:VAL:N	9	18.56
(1,351)	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	1:55:A:VAL:N	9	18.56
(1,265)	1:95:E:VAL:C	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	10	18.55
(1,264)	1:95:D:VAL:C	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	10	18.55
(1,54)	1:47:D:GLY:C	1:48:D:VAL:N	1:48:D:VAL:CA	1:48:D:VAL:C	2	18.54
(1,261)	1:95:A:VAL:C	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	10	18.53
(1,352)	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	1:55:B:VAL:N	9	18.52
(1,52)	1:47:B:GLY:C	1:48:B:VAL:N	1:48:B:VAL:CA	1:48:B:VAL:C	2	18.52
(1,353)	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	1:55:C:VAL:N	9	18.51
(1,262)	1:95:B:VAL:C	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	10	18.51
(1,263)	1:95:C:VAL:C	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	10	18.49
(1,51)	1:47:A:GLY:C	1:48:A:VAL:N	1:48:A:VAL:CA	1:48:A:VAL:C	2	18.48
(1,55)	1:47:E:GLY:C	1:48:E:VAL:N	1:48:E:VAL:CA	1:48:E:VAL:C	2	18.47
(1,354)	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	1:55:D:VAL:N	4	18.46
(1,355)	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	1:55:E:VAL:N	4	18.45
(1,53)	1:47:C:GLY:C	1:48:C:VAL:N	1:48:C:VAL:CA	1:48:C:VAL:C	2	18.42
(1,353)	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	1:55:C:VAL:N	4	18.39
(1,3)	1:35:C:GLU:C	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	8	18.39
(1,2)	1:35:B:GLU:C	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	8	18.38
(1,5)	1:35:E:GLU:C	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	8	18.36
(1,351)	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	1:55:A:VAL:N	4	18.35
(1,4)	1:35:D:GLU:C	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	8	18.35
(1,1)	1:35:A:GLU:C	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	8	18.35
(1,352)	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	1:55:B:VAL:N	4	18.32
(1,130)	1:63:E:VAL:C	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	2	18.3
(1,126)	1:63:A:VAL:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	2	18.3
(1,127)	1:63:B:VAL:C	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	2	18.29
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	10	18.26
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	10	18.26
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	10	18.26
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	10	18.26
(1,128)	1:63:C:VAL:C	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	2	18.26
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	4	18.24
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	4	18.24
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	4	18.23
(1,129)	1:63:D:VAL:C	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	2	18.23

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	4	18.22
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	10	18.21
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	4	18.16
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	5	18.12
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	5	18.12
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	5	18.11
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	5	18.11
(1,354)	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	1:55:D:VAL:N	2	18.08
(1,352)	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	1:55:B:VAL:N	2	18.08
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	5	18.07
(1,128)	1:63:C:VAL:C	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	7	18.07
(1,126)	1:63:A:VAL:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	7	18.06
(1,355)	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	1:55:E:VAL:N	2	18.05
(1,130)	1:63:E:VAL:C	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	7	18.05
(1,129)	1:63:D:VAL:C	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	7	18.05
(1,127)	1:63:B:VAL:C	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	7	18.03
(1,351)	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	1:55:A:VAL:N	2	17.99
(1,294)	1:40:D:VAL:N	1:40:D:VAL:CA	1:40:D:VAL:C	1:41:D:GLY:N	7	17.99
(1,291)	1:40:A:VAL:N	1:40:A:VAL:CA	1:40:A:VAL:C	1:41:A:GLY:N	7	17.96
(1,353)	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	1:55:C:VAL:N	2	17.95
(1,352)	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	1:55:B:VAL:N	3	17.94
(1,265)	1:95:E:VAL:C	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	6	17.94
(1,295)	1:40:E:VAL:N	1:40:E:VAL:CA	1:40:E:VAL:C	1:41:E:GLY:N	7	17.93
(1,293)	1:40:C:VAL:N	1:40:C:VAL:CA	1:40:C:VAL:C	1:41:C:GLY:N	7	17.93
(1,264)	1:95:D:VAL:C	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	6	17.93
(1,262)	1:95:B:VAL:C	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	6	17.92
(1,354)	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	1:55:D:VAL:N	3	17.91
(1,351)	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	1:55:A:VAL:N	3	17.91
(1,292)	1:40:B:VAL:N	1:40:B:VAL:CA	1:40:B:VAL:C	1:41:B:GLY:N	7	17.91
(1,263)	1:95:C:VAL:C	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	6	17.9
(1,355)	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	1:55:E:VAL:N	3	17.88
(1,353)	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	1:55:C:VAL:N	3	17.88
(1,261)	1:95:A:VAL:C	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	6	17.85
(1,169)	1:74:D:VAL:C	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1	17.83
(1,168)	1:74:C:VAL:C	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1	17.83
(1,167)	1:74:B:VAL:C	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1	17.83
(1,170)	1:74:E:VAL:C	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1	17.82
(1,166)	1:74:A:VAL:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1	17.82
(1,81)	1:54:A:THR:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	7	17.81
(1,353)	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	1:55:C:VAL:N	10	17.78
(1,351)	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	1:55:A:VAL:N	10	17.78
(1,355)	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	1:55:E:VAL:N	10	17.77
(1,352)	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	1:55:B:VAL:N	10	17.77
(1,84)	1:54:D:THR:C	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	7	17.76
(1,354)	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	1:55:D:VAL:N	10	17.75
(1,83)	1:54:C:THR:C	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	7	17.73
(1,85)	1:54:E:THR:C	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	7	17.68
(1,82)	1:54:B:THR:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	7	17.68
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	10	17.63
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	10	17.6
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	10	17.56

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	10	17.56
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	10	17.56
(1,276)	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	1:37:A:VAL:N	6	17.42
(1,279)	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	1:37:D:VAL:N	6	17.41
(1,278)	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	1:37:C:VAL:N	6	17.4
(1,277)	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	1:37:B:VAL:N	6	17.4
(1,84)	1:54:D:THR:C	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	8	17.4
(1,82)	1:54:B:THR:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	8	17.39
(1,85)	1:54:E:THR:C	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	8	17.37
(1,81)	1:54:A:THR:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	8	17.35
(1,83)	1:54:C:THR:C	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	8	17.34
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	6	17.32
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	6	17.31
(1,280)	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	1:37:E:VAL:N	6	17.28
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	6	17.27
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	6	17.27
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	6	17.27
(1,352)	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	1:55:B:VAL:N	5	17.08
(1,351)	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	1:55:A:VAL:N	5	17.05
(1,355)	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	1:55:E:VAL:N	5	17.03
(1,353)	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	1:55:C:VAL:N	5	17.03
(1,354)	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	1:55:D:VAL:N	5	17.02
(1,82)	1:54:B:THR:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	6	16.89
(1,83)	1:54:C:THR:C	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	6	16.88
(1,81)	1:54:A:THR:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	6	16.86
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	5	16.85
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	5	16.84
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	5	16.81
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	5	16.81
(1,84)	1:54:D:THR:C	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	6	16.79
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	4	16.78
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	5	16.77
(1,85)	1:54:E:THR:C	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	6	16.77
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	4	16.77
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	4	16.75
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	4	16.75
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	4	16.72
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	7	16.72
(1,425)	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1:71:E:VAL:N	9	16.71
(1,422)	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1:71:B:VAL:N	9	16.71
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	7	16.71
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	7	16.7
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	7	16.7
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	7	16.69
(1,510)	1:89:E:ALA:N	1:89:E:ALA:CA	1:89:E:ALA:C	1:90:E:ALA:N	3	16.68
(1,509)	1:89:D:ALA:N	1:89:D:ALA:CA	1:89:D:ALA:C	1:90:D:ALA:N	3	16.68
(1,423)	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1:71:C:VAL:N	9	16.68
(1,128)	1:63:C:VAL:C	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1	16.68
(1,508)	1:89:C:ALA:N	1:89:C:ALA:CA	1:89:C:ALA:C	1:90:C:ALA:N	3	16.66
(1,126)	1:63:A:VAL:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	10	16.66
(1,507)	1:89:B:ALA:N	1:89:B:ALA:CA	1:89:B:ALA:C	1:90:B:ALA:N	3	16.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,506)	1:89:A:ALA:N	1:89:A:ALA:CA	1:89:A:ALA:C	1:90:A:ALA:N	3	16.64
(1,129)	1:63:D:VAL:C	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1	16.64
(1,127)	1:63:B:VAL:C	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	10	16.64
(1,633)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:CB	1:72:C:THR:OG1	3	16.63
(1,421)	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1:71:A:VAL:N	9	16.63
(1,130)	1:63:E:VAL:C	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1	16.62
(1,127)	1:63:B:VAL:C	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1	16.62
(1,126)	1:63:A:VAL:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1	16.62
(1,130)	1:63:E:VAL:C	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	10	16.61
(1,128)	1:63:C:VAL:C	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	10	16.61
(1,538)	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	1:97:C:LYS:N	2	16.59
(1,424)	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1:71:D:VAL:N	9	16.59
(1,129)	1:63:D:VAL:C	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	10	16.59
(1,540)	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	1:97:E:LYS:N	2	16.58
(1,634)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:CB	1:72:D:THR:OG1	3	16.55
(1,434)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:C	1:73:D:GLY:N	8	16.55
(1,536)	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	1:97:A:LYS:N	2	16.54
(1,431)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	1:73:A:GLY:N	8	16.54
(1,631)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:CB	1:72:A:THR:OG1	3	16.52
(1,635)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:CB	1:72:E:THR:OG1	3	16.5
(1,632)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:CB	1:72:B:THR:OG1	3	16.5
(1,433)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:C	1:73:C:GLY:N	8	16.49
(1,432)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:C	1:73:B:GLY:N	8	16.49
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	5	16.49
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	10	16.49
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	10	16.49
(1,537)	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	1:97:B:LYS:N	2	16.48
(1,435)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:C	1:73:E:GLY:N	8	16.48
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	5	16.48
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	5	16.48
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	10	16.48
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	2	16.47
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	5	16.47
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	10	16.47
(1,539)	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	1:97:D:LYS:N	2	16.46
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	5	16.46
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	10	16.44
(1,634)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:CB	1:72:D:THR:OG1	7	16.42
(1,632)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:CB	1:72:B:THR:OG1	7	16.41
(1,631)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:CB	1:72:A:THR:OG1	7	16.41
(1,635)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:CB	1:72:E:THR:OG1	7	16.4
(1,633)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:CB	1:72:C:THR:OG1	7	16.4
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	5	16.38
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	4	16.36
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	2	16.36
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	4	16.35
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	2	16.35
(1,2)	1:35:B:GLU:C	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	2	16.35
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	4	16.34
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	5	16.34
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	8	16.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	4	16.33
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	4	16.33
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	8	16.32
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	2	16.32
(1,4)	1:35:D:GLU:C	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	2	16.32
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	5	16.31
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	8	16.31
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	8	16.31
(1,5)	1:35:E:GLU:C	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	2	16.31
(1,1)	1:35:A:GLU:C	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	2	16.31
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	5	16.3
(1,3)	1:35:C:GLU:C	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	2	16.3
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	8	16.29
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	2	16.29
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	5	16.27
(1,431)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	1:73:A:GLY:N	5	16.22
(1,435)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:C	1:73:E:GLY:N	5	16.21
(1,633)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:CB	1:72:C:THR:OG1	6	16.2
(1,632)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:CB	1:72:B:THR:OG1	6	16.2
(1,433)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:C	1:73:C:GLY:N	5	16.19
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	9	16.19
(1,635)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:CB	1:72:E:THR:OG1	6	16.18
(1,634)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:CB	1:72:D:THR:OG1	6	16.18
(1,434)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:C	1:73:D:GLY:N	5	16.18
(1,631)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:CB	1:72:A:THR:OG1	6	16.14
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	9	16.13
(1,432)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:C	1:73:B:GLY:N	5	16.12
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	9	16.09
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	9	16.08
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	9	16.06
(1,88)	1:55:C:VAL:C	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	10	16.03
(1,90)	1:55:E:VAL:C	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	10	16.01
(1,89)	1:55:D:VAL:C	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	10	16.01
(1,87)	1:55:B:VAL:C	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	10	15.99
(1,86)	1:55:A:VAL:C	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	10	15.99
(1,431)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	1:73:A:GLY:N	4	15.96
(1,434)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:C	1:73:D:GLY:N	4	15.92
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	1	15.9
(1,127)	1:63:B:VAL:C	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	4	15.89
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	1	15.87
(1,435)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:C	1:73:E:GLY:N	4	15.86
(1,128)	1:63:C:VAL:C	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	4	15.86
(1,126)	1:63:A:VAL:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	4	15.86
(1,129)	1:63:D:VAL:C	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	4	15.85
(1,130)	1:63:E:VAL:C	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	4	15.84
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	1	15.84
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	1	15.84
(1,433)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:C	1:73:C:GLY:N	4	15.83
(1,432)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:C	1:73:B:GLY:N	4	15.83
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	1	15.81
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	7	15.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	7	15.76
(1,432)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:C	1:73:B:GLY:N	1	15.76
(1,398)	1:63:C:VAL:N	1:63:C:VAL:CA	1:63:C:VAL:C	1:64:C:THR:N	5	15.75
(1,435)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:C	1:73:E:GLY:N	1	15.74
(1,431)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	1:73:A:GLY:N	1	15.74
(1,396)	1:63:A:VAL:N	1:63:A:VAL:CA	1:63:A:VAL:C	1:64:A:THR:N	5	15.74
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	7	15.73
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	7	15.73
(1,400)	1:63:E:VAL:N	1:63:E:VAL:CA	1:63:E:VAL:C	1:64:E:THR:N	5	15.73
(1,397)	1:63:B:VAL:N	1:63:B:VAL:CA	1:63:B:VAL:C	1:64:B:THR:N	5	15.71
(1,434)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:C	1:73:D:GLY:N	1	15.7
(1,433)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:C	1:73:C:GLY:N	1	15.7
(1,399)	1:63:D:VAL:N	1:63:D:VAL:CA	1:63:D:VAL:C	1:64:D:THR:N	5	15.68
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	7	15.67
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	7	15.62
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	7	15.6
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	7	15.59
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	7	15.59
(1,424)	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1:71:D:VAL:N	1	15.59
(1,423)	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1:71:C:VAL:N	1	15.59
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	7	15.57
(1,425)	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1:71:E:VAL:N	1	15.56
(1,422)	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1:71:B:VAL:N	1	15.56
(1,421)	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1:71:A:VAL:N	1	15.56
(1,266)	1:96:A:LYS:C	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	4	15.56
(1,268)	1:96:C:LYS:C	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	4	15.54
(1,269)	1:96:D:LYS:C	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	4	15.53
(1,267)	1:96:B:LYS:C	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	4	15.53
(1,270)	1:96:E:LYS:C	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	4	15.52
(1,265)	1:95:E:VAL:C	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	7	15.46
(1,263)	1:95:C:VAL:C	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	7	15.43
(1,262)	1:95:B:VAL:C	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	7	15.4
(1,261)	1:95:A:VAL:C	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	7	15.39
(1,264)	1:95:D:VAL:C	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	7	15.38
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	6	15.31
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	6	15.3
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	6	15.3
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	6	15.29
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	6	15.27
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	6	15.23
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	6	15.23
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	6	15.22
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	6	15.19
(1,555)	1:38:E:LEU:N	1:38:E:LEU:CA	1:38:E:LEU:CB	1:38:E:LEU:CG	4	15.15
(1,552)	1:38:B:LEU:N	1:38:B:LEU:CA	1:38:B:LEU:CB	1:38:B:LEU:CG	4	15.14
(1,551)	1:38:A:LEU:N	1:38:A:LEU:CA	1:38:A:LEU:CB	1:38:A:LEU:CG	4	15.14
(1,553)	1:38:C:LEU:N	1:38:C:LEU:CA	1:38:C:LEU:CB	1:38:C:LEU:CG	4	15.13
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	6	15.13
(1,554)	1:38:D:LEU:N	1:38:D:LEU:CA	1:38:D:LEU:CB	1:38:D:LEU:CG	4	15.11
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	10	15.08
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	10	15.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	10	15.03
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	10	15.03
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	10	15.03
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	2	15.01
(1,4)	1:35:D:GLU:C	1:36:D:GLY:N	1:36:D:GLY:CA	1:36:D:GLY:C	4	15.01
(1,422)	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1:71:B:VAL:N	5	15.0
(1,424)	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1:71:D:VAL:N	5	14.99
(1,423)	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1:71:C:VAL:N	5	14.98
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	4	14.96
(1,1)	1:35:A:GLU:C	1:36:A:GLY:N	1:36:A:GLY:CA	1:36:A:GLY:C	4	14.96
(1,421)	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1:71:A:VAL:N	5	14.95
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	2	14.95
(1,5)	1:35:E:GLU:C	1:36:E:GLY:N	1:36:E:GLY:CA	1:36:E:GLY:C	4	14.95
(1,446)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:VAL:N	7	14.94
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	2	14.94
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	4	14.93
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	4	14.93
(1,2)	1:35:B:GLU:C	1:36:B:GLY:N	1:36:B:GLY:CA	1:36:B:GLY:C	4	14.92
(1,425)	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1:71:E:VAL:N	5	14.91
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	2	14.91
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	2	14.91
(1,448)	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	1:77:C:VAL:N	7	14.9
(1,3)	1:35:C:GLU:C	1:36:C:GLY:N	1:36:C:GLY:CA	1:36:C:GLY:C	4	14.89
(1,447)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:VAL:N	7	14.88
(1,450)	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	1:77:E:VAL:N	7	14.87
(1,633)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:CB	1:72:C:THR:OG1	2	14.86
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	5	14.86
(1,635)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:CB	1:72:E:THR:OG1	2	14.85
(1,631)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:CB	1:72:A:THR:OG1	2	14.85
(1,449)	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	1:77:D:VAL:N	7	14.85
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	5	14.85
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	5	14.85
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	4	14.84
(1,634)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:CB	1:72:D:THR:OG1	2	14.82
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	4	14.82
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	5	14.82
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	5	14.82
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	8	14.8
(1,632)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:CB	1:72:B:THR:OG1	2	14.78
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	8	14.77
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	8	14.77
(1,91)	1:56:A:ALA:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	4	14.76
(1,94)	1:56:D:ALA:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	4	14.74
(1,95)	1:56:E:ALA:C	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	9	14.73
(1,94)	1:56:D:ALA:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	9	14.73
(1,93)	1:56:C:ALA:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	4	14.73
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	8	14.73
(1,92)	1:56:B:ALA:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	4	14.72
(1,128)	1:63:C:VAL:C	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	9	14.7
(1,95)	1:56:E:ALA:C	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	4	14.7
(1,93)	1:56:C:ALA:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	9	14.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	8	14.69
(1,126)	1:63:A:VAL:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	9	14.68
(1,129)	1:63:D:VAL:C	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	9	14.66
(1,91)	1:56:A:ALA:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	9	14.66
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	10	14.65
(1,130)	1:63:E:VAL:C	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	9	14.64
(1,92)	1:56:B:ALA:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	9	14.64
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	10	14.63
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	10	14.61
(1,127)	1:63:B:VAL:C	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	9	14.61
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	10	14.6
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	10	14.59
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	10	14.59
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	10	14.58
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	10	14.55
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	10	14.55
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	1	14.5
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	1	14.5
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	1	14.5
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	10	14.5
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	1	14.47
(1,29)	1:41:D:GLY:C	1:42:D:SER:N	1:42:D:SER:CA	1:42:D:SER:C	3	14.46
(1,422)	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1:71:B:VAL:N	3	14.45
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	1	14.44
(1,30)	1:41:E:GLY:C	1:42:E:SER:N	1:42:E:SER:CA	1:42:E:SER:C	3	14.44
(1,27)	1:41:B:GLY:C	1:42:B:SER:N	1:42:B:SER:CA	1:42:B:SER:C	3	14.43
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	1	14.42
(1,425)	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1:71:E:VAL:N	3	14.41
(1,424)	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1:71:D:VAL:N	3	14.41
(1,423)	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1:71:C:VAL:N	3	14.41
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	1	14.41
(1,28)	1:41:C:GLY:C	1:42:C:SER:N	1:42:C:SER:CA	1:42:C:SER:C	3	14.41
(1,26)	1:41:A:GLY:C	1:42:A:SER:N	1:42:A:SER:CA	1:42:A:SER:C	3	14.41
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	8	14.39
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	1	14.38
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	1	14.38
(1,421)	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1:71:A:VAL:N	3	14.37
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	8	14.37
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	1	14.36
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	8	14.36
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	8	14.34
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	8	14.34
(1,264)	1:95:D:VAL:C	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	3	14.31
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	4	14.3
(1,263)	1:95:C:VAL:C	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	3	14.28
(1,262)	1:95:B:VAL:C	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	3	14.28
(1,261)	1:95:A:VAL:C	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	3	14.28
(1,265)	1:95:E:VAL:C	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	3	14.27
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	4	14.27
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	4	14.26
(1,428)	1:71:C:VAL:N	1:71:C:VAL:CA	1:71:C:VAL:C	1:72:C:THR:N	10	14.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	4	14.25
(1,427)	1:71:B:VAL:N	1:71:B:VAL:CA	1:71:B:VAL:C	1:72:B:THR:N	10	14.24
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	4	14.24
(1,430)	1:71:E:VAL:N	1:71:E:VAL:CA	1:71:E:VAL:C	1:72:E:THR:N	10	14.21
(1,429)	1:71:D:VAL:N	1:71:D:VAL:CA	1:71:D:VAL:C	1:72:D:THR:N	10	14.2
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	9	14.19
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	9	14.19
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	9	14.18
(1,426)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:THR:N	10	14.17
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	9	14.17
(1,429)	1:71:D:VAL:N	1:71:D:VAL:CA	1:71:D:VAL:C	1:72:D:THR:N	9	14.14
(1,428)	1:71:C:VAL:N	1:71:C:VAL:CA	1:71:C:VAL:C	1:72:C:THR:N	9	14.13
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	4	14.12
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	9	14.11
(1,426)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:THR:N	9	14.09
(1,427)	1:71:B:VAL:N	1:71:B:VAL:CA	1:71:B:VAL:C	1:72:B:THR:N	9	14.08
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	4	14.08
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	4	14.08
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	4	14.07
(1,430)	1:71:E:VAL:N	1:71:E:VAL:CA	1:71:E:VAL:C	1:72:E:THR:N	9	14.04
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	4	14.03
(1,130)	1:63:E:VAL:C	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	6	13.9
(1,127)	1:63:B:VAL:C	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	6	13.9
(1,126)	1:63:A:VAL:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	6	13.9
(1,128)	1:63:C:VAL:C	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	6	13.89
(1,129)	1:63:D:VAL:C	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	6	13.87
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	9	13.83
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	9	13.82
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	9	13.8
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	9	13.8
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	2	13.78
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	2	13.78
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	2	13.76
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	9	13.73
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	2	13.72
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	2	13.67
(1,95)	1:56:E:ALA:C	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	7	13.63
(1,91)	1:56:A:ALA:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	7	13.63
(1,92)	1:56:B:ALA:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	7	13.62
(1,94)	1:56:D:ALA:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	7	13.59
(1,94)	1:56:D:ALA:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	8	13.59
(1,93)	1:56:C:ALA:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	7	13.59
(1,95)	1:56:E:ALA:C	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	8	13.56
(1,92)	1:56:B:ALA:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	8	13.56
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	3	13.55
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	3	13.55
(1,265)	1:95:E:VAL:C	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	1	13.55
(1,264)	1:95:D:VAL:C	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	1	13.55
(1,263)	1:95:C:VAL:C	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	1	13.55
(1,261)	1:95:A:VAL:C	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	1	13.55
(1,93)	1:56:C:ALA:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1	13.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,92)	1:56:B:ALA:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1	13.55
(1,93)	1:56:C:ALA:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	8	13.54
(1,91)	1:56:A:ALA:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	8	13.54
(1,262)	1:95:B:VAL:C	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	1	13.52
(1,94)	1:56:D:ALA:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1	13.52
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	3	13.5
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	3	13.49
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	3	13.49
(1,95)	1:56:E:ALA:C	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1	13.49
(1,91)	1:56:A:ALA:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1	13.49
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	1	13.47
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	1	13.47
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	1	13.42
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	1	13.42
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	1	13.42
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	5	13.37
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	5	13.37
(1,345)	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	1:53:E:ALA:N	1	13.36
(1,344)	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	1:53:D:ALA:N	1	13.36
(1,343)	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	1:53:C:ALA:N	1	13.36
(1,342)	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	1:53:B:ALA:N	1	13.36
(1,341)	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	1:53:A:ALA:N	1	13.36
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	5	13.35
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	5	13.34
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	5	13.34
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	8	13.33
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	8	13.31
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	3	13.3
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	8	13.29
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	8	13.29
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	3	13.26
(1,343)	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	1:53:C:ALA:N	10	13.26
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	8	13.26
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	9	13.24
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	3	13.24
(1,344)	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	1:53:D:ALA:N	10	13.21
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	9	13.2
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	3	13.2
(1,341)	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	1:53:A:ALA:N	10	13.19
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	9	13.18
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	3	13.18
(1,345)	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	1:53:E:ALA:N	10	13.18
(1,342)	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	1:53:B:ALA:N	10	13.18
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	9	13.15
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	9	13.14
(1,344)	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	1:53:D:ALA:N	6	13.14
(1,345)	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	1:53:E:ALA:N	6	13.1
(1,343)	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	1:53:C:ALA:N	6	13.1
(1,342)	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	1:53:B:ALA:N	6	13.09
(1,341)	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	1:53:A:ALA:N	6	13.09
(1,117)	1:61:B:GLU:C	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	2	13.09

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,343)	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	1:53:C:ALA:N	2	13.08
(1,345)	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	1:53:E:ALA:N	2	13.07
(1,342)	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	1:53:B:ALA:N	9	13.07
(1,120)	1:61:E:GLU:C	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	2	13.07
(1,118)	1:61:C:GLU:C	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	2	13.07
(1,341)	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	1:53:A:ALA:N	2	13.05
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	9	13.02
(1,345)	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	1:53:E:ALA:N	9	13.02
(1,344)	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	1:53:D:ALA:N	2	13.02
(1,116)	1:61:A:GLU:C	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	2	13.02
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	9	13.01
(1,344)	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	1:53:D:ALA:N	9	13.01
(1,341)	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	1:53:A:ALA:N	9	13.01
(1,342)	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	1:53:B:ALA:N	2	13.0
(1,119)	1:61:D:GLU:C	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	2	13.0
(1,343)	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	1:53:C:ALA:N	9	12.99
(1,261)	1:95:A:VAL:C	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	5	12.99
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	9	12.97
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	10	12.97
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	9	12.96
(1,265)	1:95:E:VAL:C	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	5	12.96
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	10	12.95
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	9	12.94
(1,262)	1:95:B:VAL:C	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	5	12.94
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	10	12.93
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	10	12.93
(1,264)	1:95:D:VAL:C	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	5	12.92
(1,263)	1:95:C:VAL:C	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	5	12.92
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	10	12.92
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	3	12.85
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	3	12.85
(1,118)	1:61:C:GLU:C	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	10	12.85
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	3	12.84
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	3	12.84
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	3	12.84
(1,119)	1:61:D:GLU:C	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	10	12.84
(1,117)	1:61:B:GLU:C	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	10	12.84
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	5	12.83
(1,116)	1:61:A:GLU:C	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	10	12.8
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	5	12.79
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	5	12.79
(1,450)	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	1:77:E:VAL:N	10	12.79
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	5	12.78
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	5	12.77
(1,449)	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	1:77:D:VAL:N	10	12.77
(1,448)	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	1:77:C:VAL:N	10	12.77
(1,446)	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1:77:A:VAL:N	10	12.77
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	3	12.76
(1,120)	1:61:E:GLU:C	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	10	12.76
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	3	12.74
(1,251)	1:93:A:GLY:C	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	6	12.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	7	12.74
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	10	12.73
(1,253)	1:93:C:GLY:C	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	6	12.73
(1,252)	1:93:B:GLY:C	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	6	12.73
(1,447)	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1:77:B:VAL:N	10	12.72
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	3	12.72
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	7	12.72
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	3	12.71
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	7	12.7
(1,254)	1:93:D:GLY:C	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	6	12.69
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	7	12.69
(1,255)	1:93:E:GLY:C	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	6	12.68
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	7	12.68
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	3	12.67
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	10	12.67
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	10	12.67
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	10	12.67
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	10	12.65
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	2	12.61
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	6	12.61
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	6	12.61
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	2	12.6
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	2	12.59
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	2	12.59
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	6	12.59
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	6	12.59
(1,119)	1:61:D:GLU:C	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1	12.58
(1,118)	1:61:C:GLU:C	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1	12.58
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	6	12.57
(1,443)	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1:76:C:ALA:N	8	12.56
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	8	12.56
(1,444)	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1:76:D:ALA:N	8	12.54
(1,120)	1:61:E:GLU:C	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1	12.54
(1,117)	1:61:B:GLU:C	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1	12.54
(1,116)	1:61:A:GLU:C	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1	12.54
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	6	12.53
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	2	12.52
(1,344)	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	1:53:D:ALA:N	4	12.52
(1,341)	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	1:53:A:ALA:N	4	12.52
(1,442)	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1:76:B:ALA:N	8	12.51
(1,441)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:ALA:N	8	12.51
(1,345)	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	1:53:E:ALA:N	4	12.51
(1,343)	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	1:53:C:ALA:N	4	12.5
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	6	12.5
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	6	12.5
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	8	12.5
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	6	12.5
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	6	12.49
(1,442)	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1:76:B:ALA:N	2	12.48
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	8	12.47
(1,445)	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1:76:E:ALA:N	8	12.46

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,342)	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	1:53:B:ALA:N	4	12.46
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	3	12.46
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	8	12.46
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	9	12.44
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	3	12.44
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	3	12.44
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	3	12.44
(1,444)	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1:76:D:ALA:N	2	12.43
(1,344)	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	1:53:D:ALA:N	5	12.43
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	8	12.43
(1,513)	1:90:C:ALA:N	1:90:C:ALA:CA	1:90:C:ALA:C	1:91:C:ALA:N	1	12.42
(1,345)	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	1:53:E:ALA:N	5	12.41
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	3	12.41
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	9	12.41
(1,515)	1:90:E:ALA:N	1:90:E:ALA:CA	1:90:E:ALA:C	1:91:E:ALA:N	1	12.4
(1,512)	1:90:B:ALA:N	1:90:B:ALA:CA	1:90:B:ALA:C	1:91:B:ALA:N	1	12.4
(1,511)	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	1:91:A:ALA:N	1	12.4
(1,441)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:ALA:N	2	12.4
(1,445)	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1:76:E:ALA:N	2	12.39
(1,342)	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	1:53:B:ALA:N	5	12.39
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	9	12.39
(1,343)	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	1:53:C:ALA:N	5	12.38
(1,514)	1:90:D:ALA:N	1:90:D:ALA:CA	1:90:D:ALA:C	1:91:D:ALA:N	1	12.37
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	9	12.37
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	4	12.35
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	5	12.35
(1,261)	1:95:A:VAL:C	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	8	12.34
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	9	12.34
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	4	12.33
(1,264)	1:95:D:VAL:C	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	8	12.33
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	5	12.33
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	5	12.33
(1,263)	1:95:C:VAL:C	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	8	12.32
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	5	12.32
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	5	12.32
(1,262)	1:95:B:VAL:C	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	8	12.31
(1,443)	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1:76:C:ALA:N	2	12.3
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	4	12.29
(1,341)	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	1:53:A:ALA:N	5	12.29
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	4	12.28
(1,342)	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	1:53:B:ALA:N	3	12.28
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	4	12.27
(1,265)	1:95:E:VAL:C	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	8	12.27
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	4	12.25
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	4	12.24
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	4	12.23
(1,479)	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1:83:D:GLU:N	4	12.22
(1,344)	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	1:53:D:ALA:N	3	12.22
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	4	12.22
(1,343)	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	1:53:C:ALA:N	3	12.2
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	4	12.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,345)	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	1:53:E:ALA:N	3	12.17
(1,341)	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	1:53:A:ALA:N	3	12.17
(1,478)	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1:83:C:GLU:N	4	12.16
(1,477)	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1:83:B:GLU:N	4	12.16
(1,476)	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1:83:A:GLU:N	4	12.16
(1,442)	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1:76:B:ALA:N	3	12.13
(1,442)	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1:76:B:ALA:N	9	12.13
(1,441)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:ALA:N	3	12.13
(1,480)	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1:83:E:GLU:N	4	12.12
(1,445)	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1:76:E:ALA:N	3	12.1
(1,443)	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1:76:C:ALA:N	9	12.07
(1,254)	1:93:D:GLY:C	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	7	12.07
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	9	12.07
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	9	12.07
(1,444)	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1:76:D:ALA:N	9	12.06
(1,445)	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1:76:E:ALA:N	9	12.05
(1,444)	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1:76:D:ALA:N	3	12.05
(1,251)	1:93:A:GLY:C	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	7	12.05
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	9	12.05
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	7	12.05
(1,443)	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1:76:C:ALA:N	3	12.04
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	9	12.04
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	7	12.04
(1,253)	1:93:C:GLY:C	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	7	12.03
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	7	12.03
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	7	12.03
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	1	12.02
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	9	12.02
(1,441)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:ALA:N	4	12.01
(1,441)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:ALA:N	9	12.01
(1,443)	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1:76:C:ALA:N	4	12.0
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	7	12.0
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	1	11.99
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	1	11.99
(1,444)	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1:76:D:ALA:N	4	11.99
(1,255)	1:93:E:GLY:C	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	7	11.98
(1,252)	1:93:B:GLY:C	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	7	11.98
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	1	11.97
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	1	11.97
(1,445)	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1:76:E:ALA:N	4	11.95
(1,442)	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1:76:B:ALA:N	4	11.92
(1,88)	1:55:C:VAL:C	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	6	11.9
(1,90)	1:55:E:VAL:C	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	6	11.87
(1,87)	1:55:B:VAL:C	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	6	11.87
(1,173)	1:75:C:THR:C	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	5	11.85
(1,255)	1:93:E:GLY:C	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	1	11.84
(1,254)	1:93:D:GLY:C	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	1	11.84
(1,251)	1:93:A:GLY:C	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	1	11.84
(1,171)	1:75:A:THR:C	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	4	11.84
(1,89)	1:55:D:VAL:C	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	6	11.84
(1,86)	1:55:A:VAL:C	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	6	11.83

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,263)	1:95:C:VAL:C	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	4	11.81
(1,253)	1:93:C:GLY:C	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	1	11.81
(1,252)	1:93:B:GLY:C	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	1	11.81
(1,264)	1:95:D:VAL:C	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	4	11.8
(1,175)	1:75:E:THR:C	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	5	11.8
(1,174)	1:75:D:THR:C	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	5	11.8
(1,172)	1:75:B:THR:C	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	5	11.79
(1,171)	1:75:A:THR:C	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	5	11.79
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	9	11.79
(1,172)	1:75:B:THR:C	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	4	11.78
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	9	11.78
(1,361)	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	1:57:A:GLU:N	3	11.77
(1,255)	1:93:E:GLY:C	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	10	11.77
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	9	11.77
(1,363)	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	1:57:C:GLU:N	3	11.76
(1,262)	1:95:B:VAL:C	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	4	11.76
(1,265)	1:95:E:VAL:C	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	4	11.75
(1,253)	1:93:C:GLY:C	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	10	11.75
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	9	11.75
(1,362)	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	1:57:B:GLU:N	3	11.74
(1,175)	1:75:E:THR:C	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	4	11.74
(1,254)	1:93:D:GLY:C	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	10	11.73
(1,251)	1:93:A:GLY:C	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	10	11.73
(1,174)	1:75:D:THR:C	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	4	11.73
(1,365)	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	1:57:E:GLU:N	3	11.72
(1,252)	1:93:B:GLY:C	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	10	11.72
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	2	11.72
(1,364)	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	1:57:D:GLU:N	3	11.7
(1,261)	1:95:A:VAL:C	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	4	11.7
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	2	11.7
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	9	11.7
(1,173)	1:75:C:THR:C	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	4	11.69
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	2	11.67
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	2	11.66
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	2	11.66
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	2	11.65
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	2	11.64
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	2	11.62
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	5	11.61
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	2	11.61
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	5	11.59
(1,88)	1:55:C:VAL:C	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	8	11.59
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	2	11.58
(1,496)	1:87:A:SER:N	1:87:A:SER:CA	1:87:A:SER:C	1:88:A:ILE:N	2	11.57
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	5	11.57
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	5	11.57
(1,499)	1:87:D:SER:N	1:87:D:SER:CA	1:87:D:SER:C	1:88:D:ILE:N	2	11.54
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	5	11.54
(1,90)	1:55:E:VAL:C	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	8	11.54
(1,87)	1:55:B:VAL:C	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	8	11.54
(1,86)	1:55:A:VAL:C	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	8	11.54

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,500)	1:87:E:SER:N	1:87:E:SER:CA	1:87:E:SER:C	1:88:E:ILE:N	2	11.52
(1,89)	1:55:D:VAL:C	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	8	11.51
(1,70)	1:51:E:GLY:C	1:52:E:VAL:N	1:52:E:VAL:CA	1:52:E:VAL:C	1	11.51
(1,69)	1:51:D:GLY:C	1:52:D:VAL:N	1:52:D:VAL:CA	1:52:D:VAL:C	1	11.51
(1,66)	1:51:A:GLY:C	1:52:A:VAL:N	1:52:A:VAL:CA	1:52:A:VAL:C	1	11.51
(1,255)	1:93:E:GLY:C	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	3	11.49
(1,254)	1:93:D:GLY:C	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	3	11.49
(1,253)	1:93:C:GLY:C	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	3	11.49
(1,68)	1:51:C:GLY:C	1:52:C:VAL:N	1:52:C:VAL:CA	1:52:C:VAL:C	1	11.49
(1,67)	1:51:B:GLY:C	1:52:B:VAL:N	1:52:B:VAL:CA	1:52:B:VAL:C	1	11.49
(1,498)	1:87:C:SER:N	1:87:C:SER:CA	1:87:C:SER:C	1:88:C:ILE:N	2	11.48
(1,497)	1:87:B:SER:N	1:87:B:SER:CA	1:87:B:SER:C	1:88:B:ILE:N	2	11.47
(1,252)	1:93:B:GLY:C	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	3	11.46
(1,251)	1:93:A:GLY:C	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	3	11.42
(1,445)	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1:76:E:ALA:N	6	11.39
(1,88)	1:55:C:VAL:C	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	7	11.38
(1,444)	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1:76:D:ALA:N	6	11.37
(1,87)	1:55:B:VAL:C	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	7	11.35
(1,442)	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1:76:B:ALA:N	6	11.34
(1,441)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:ALA:N	6	11.34
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	7	11.32
(1,90)	1:55:E:VAL:C	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	7	11.32
(1,89)	1:55:D:VAL:C	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	7	11.3
(1,443)	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1:76:C:ALA:N	6	11.29
(1,86)	1:55:A:VAL:C	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	7	11.27
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	7	11.23
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	7	11.22
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	7	11.22
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	7	11.21
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	1	11.2
(1,173)	1:75:C:THR:C	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	9	11.2
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	1	11.17
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	1	11.17
(1,175)	1:75:E:THR:C	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	9	11.17
(1,174)	1:75:D:THR:C	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	9	11.16
(1,172)	1:75:B:THR:C	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	9	11.16
(1,95)	1:56:E:ALA:C	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	2	11.13
(1,94)	1:56:D:ALA:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	2	11.13
(1,93)	1:56:C:ALA:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	2	11.12
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	1	11.11
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	1	11.11
(1,171)	1:75:A:THR:C	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	9	11.11
(1,92)	1:56:B:ALA:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	2	11.11
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	2	11.1
(1,91)	1:56:A:ALA:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	2	11.1
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	2	11.08
(1,171)	1:75:A:THR:C	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	2	11.08
(1,175)	1:75:E:THR:C	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	2	11.07
(1,173)	1:75:C:THR:C	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	2	11.06
(1,172)	1:75:B:THR:C	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	2	11.06
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	3	11.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	3	11.06
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	3	11.06
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	2	11.05
(1,174)	1:75:D:THR:C	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	2	11.05
(1,89)	1:55:D:VAL:C	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	2	11.05
(1,87)	1:55:B:VAL:C	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	2	11.05
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	2	11.04
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	2	11.03
(1,90)	1:55:E:VAL:C	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	2	11.03
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	3	10.99
(1,86)	1:55:A:VAL:C	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	2	10.99
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1	10.98
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	3	10.98
(1,88)	1:55:C:VAL:C	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	2	10.97
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1	10.95
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1	10.95
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1	10.95
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1	10.95
(1,425)	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1:71:E:VAL:N	6	10.86
(1,421)	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1:71:A:VAL:N	6	10.86
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	8	10.85
(1,9)	1:36:D:GLY:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	10	10.85
(1,422)	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1:71:B:VAL:N	6	10.84
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	8	10.81
(1,8)	1:36:C:GLY:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	10	10.81
(1,7)	1:36:B:GLY:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	10	10.81
(1,423)	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1:71:C:VAL:N	6	10.8
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	8	10.8
(1,10)	1:36:E:GLY:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	10	10.8
(1,424)	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1:71:D:VAL:N	6	10.79
(1,6)	1:36:A:GLY:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	10	10.79
(1,175)	1:75:E:THR:C	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	3	10.78
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	8	10.77
(1,171)	1:75:A:THR:C	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	3	10.76
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	8	10.75
(1,172)	1:75:B:THR:C	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	3	10.74
(1,174)	1:75:D:THR:C	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	3	10.73
(1,6)	1:36:A:GLY:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	2	10.7
(1,173)	1:75:C:THR:C	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	3	10.69
(1,423)	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1:71:C:VAL:N	7	10.68
(1,421)	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1:71:A:VAL:N	7	10.67
(1,8)	1:36:C:GLY:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	2	10.66
(1,425)	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1:71:E:VAL:N	7	10.65
(1,10)	1:36:E:GLY:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	2	10.65
(1,424)	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1:71:D:VAL:N	7	10.64
(1,173)	1:75:C:THR:C	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	8	10.63
(1,9)	1:36:D:GLY:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	2	10.62
(1,7)	1:36:B:GLY:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	2	10.59
(1,422)	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1:71:B:VAL:N	7	10.58
(1,174)	1:75:D:THR:C	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	8	10.57
(1,171)	1:75:A:THR:C	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	8	10.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,172)	1:75:B:THR:C	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	8	10.51
(1,175)	1:75:E:THR:C	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	8	10.48
(1,253)	1:93:C:GLY:C	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	5	10.38
(1,255)	1:93:E:GLY:C	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	5	10.36
(1,254)	1:93:D:GLY:C	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	5	10.36
(1,252)	1:93:B:GLY:C	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	5	10.35
(1,251)	1:93:A:GLY:C	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	5	10.33
(1,87)	1:55:B:VAL:C	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	4	10.29
(1,88)	1:55:C:VAL:C	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	4	10.25
(1,90)	1:55:E:VAL:C	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	9	10.24
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	7	10.23
(1,86)	1:55:A:VAL:C	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	4	10.23
(1,90)	1:55:E:VAL:C	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	4	10.22
(1,86)	1:55:A:VAL:C	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	9	10.22
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	7	10.2
(1,87)	1:55:B:VAL:C	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	9	10.2
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	7	10.19
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	7	10.19
(1,89)	1:55:D:VAL:C	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	9	10.19
(1,89)	1:55:D:VAL:C	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	4	10.18
(1,88)	1:55:C:VAL:C	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	9	10.15
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	7	10.14
(1,255)	1:93:E:GLY:C	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	2	10.13
(1,173)	1:75:C:THR:C	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	6	10.12
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	6	10.11
(1,253)	1:93:C:GLY:C	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	2	10.11
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	8	10.11
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	6	10.1
(1,254)	1:93:D:GLY:C	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	2	10.1
(1,252)	1:93:B:GLY:C	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	2	10.1
(1,251)	1:93:A:GLY:C	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	2	10.1
(1,175)	1:75:E:THR:C	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	6	10.1
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	6	10.09
(1,433)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:C	1:73:C:GLY:N	9	10.07
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	8	10.07
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	8	10.07
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	8	10.07
(1,174)	1:75:D:THR:C	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	6	10.06
(1,172)	1:75:B:THR:C	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	6	10.06
(1,171)	1:75:A:THR:C	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	6	10.06
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	6	10.05
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	8	10.04
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	9	10.03
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	9	10.03
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	9	10.02
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	6	10.01
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	9	10.0
(1,435)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:C	1:73:E:GLY:N	9	9.99
(1,434)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:C	1:73:D:GLY:N	9	9.99
(1,431)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	1:73:A:GLY:N	9	9.99
(1,254)	1:93:D:GLY:C	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	4	9.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,253)	1:93:C:GLY:C	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	4	9.97
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	9	9.96
(1,432)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:C	1:73:B:GLY:N	9	9.95
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	3	9.95
(1,522)	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	1:93:B:GLY:N	8	9.94
(1,523)	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	1:93:C:GLY:N	8	9.9
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	3	9.9
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	3	9.9
(1,252)	1:93:B:GLY:C	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	4	9.9
(1,251)	1:93:A:GLY:C	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	4	9.9
(1,255)	1:93:E:GLY:C	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	4	9.88
(1,525)	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	1:93:E:GLY:N	8	9.87
(1,521)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLY:N	8	9.87
(1,252)	1:93:B:GLY:C	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	9	9.87
(1,524)	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	1:93:D:GLY:N	8	9.86
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	3	9.84
(1,251)	1:93:A:GLY:C	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	9	9.84
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	6	9.83
(1,255)	1:93:E:GLY:C	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	9	9.83
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	3	9.82
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	6	9.81
(1,253)	1:93:C:GLY:C	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	9	9.78
(1,254)	1:93:D:GLY:C	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	9	9.77
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	6	9.76
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	6	9.76
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	6	9.72
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	2	9.59
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	2	9.57
(1,434)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:C	1:73:D:GLY:N	10	9.55
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	10	9.55
(1,431)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	1:73:A:GLY:N	10	9.53
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	2	9.52
(1,433)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:C	1:73:C:GLY:N	10	9.52
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	5	9.52
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	5	9.52
(1,435)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:C	1:73:E:GLY:N	10	9.51
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	5	9.51
(1,365)	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	1:57:E:GLU:N	5	9.51
(1,361)	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	1:57:A:GLU:N	5	9.51
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	1	9.51
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	1	9.51
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	1	9.51
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	5	9.5
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	5	9.5
(1,268)	1:96:C:LYS:C	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	3	9.5
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	2	9.49
(1,364)	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	1:57:D:GLU:N	5	9.48
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	1	9.48
(1,363)	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	1:57:C:GLU:N	5	9.47
(1,362)	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	1:57:B:GLU:N	5	9.47
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	2	9.46

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,432)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:C	1:73:B:GLY:N	10	9.46
(1,266)	1:96:A:LYS:C	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	3	9.46
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	10	9.46
(1,269)	1:96:D:LYS:C	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	3	9.45
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	10	9.45
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	10	9.45
(1,267)	1:96:B:LYS:C	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	3	9.44
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	2	9.43
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	2	9.43
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	1	9.43
(1,270)	1:96:E:LYS:C	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	3	9.43
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	10	9.43
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	2	9.42
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	10	9.42
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	10	9.42
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	10	9.42
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	2	9.41
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	10	9.4
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	2	9.39
(1,386)	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	1:62:A:GLN:N	7	9.39
(1,388)	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	1:62:C:GLN:N	7	9.37
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	10	9.37
(1,390)	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	1:62:E:GLN:N	7	9.35
(1,387)	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	1:62:B:GLN:N	7	9.35
(1,389)	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	1:62:D:GLN:N	7	9.32
(1,270)	1:96:E:LYS:C	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	8	9.28
(1,268)	1:96:C:LYS:C	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	8	9.27
(1,269)	1:96:D:LYS:C	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	8	9.21
(1,267)	1:96:B:LYS:C	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	8	9.2
(1,266)	1:96:A:LYS:C	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	8	9.2
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	8	9.17
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	8	9.16
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	8	9.15
(1,542)	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1:98:B:ASP:N	6	9.14
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	10	9.14
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	10	9.14
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	8	9.13
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	8	9.13
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	10	9.12
(1,481)	1:83:A:GLU:N	1:83:A:GLU:CA	1:83:A:GLU:C	1:84:A:GLY:N	2	9.11
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	8	9.11
(1,544)	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1:98:D:ASP:N	6	9.1
(1,543)	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1:98:C:ASP:N	6	9.1
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	8	9.09
(1,545)	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1:98:E:ASP:N	6	9.08
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	10	9.08
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	10	9.07
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	8	9.07
(1,541)	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1:98:A:ASP:N	6	9.06
(1,485)	1:83:E:GLU:N	1:83:E:GLU:CA	1:83:E:GLU:C	1:84:E:GLY:N	2	9.06
(1,484)	1:83:D:GLU:N	1:83:D:GLU:CA	1:83:D:GLU:C	1:84:D:GLY:N	2	9.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	8	9.06
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	8	9.05
(1,269)	1:96:D:LYS:C	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	1	9.05
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	4	9.04
(1,24)	1:40:D:VAL:C	1:41:D:GLY:N	1:41:D:GLY:CA	1:41:D:GLY:C	7	9.04
(1,482)	1:83:B:GLU:N	1:83:B:GLU:CA	1:83:B:GLU:C	1:84:B:GLY:N	2	9.03
(1,270)	1:96:E:LYS:C	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	1	9.03
(1,268)	1:96:C:LYS:C	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	1	9.03
(1,266)	1:96:A:LYS:C	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	1	9.03
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	4	9.01
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	4	9.01
(1,483)	1:83:C:GLU:N	1:83:C:GLU:CA	1:83:C:GLU:C	1:84:C:GLY:N	2	9.0
(1,267)	1:96:B:LYS:C	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	1	9.0
(1,8)	1:36:C:GLY:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	8	9.0
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	4	8.99
(1,22)	1:40:B:VAL:C	1:41:B:GLY:N	1:41:B:GLY:CA	1:41:B:GLY:C	7	8.99
(1,23)	1:40:C:VAL:C	1:41:C:GLY:N	1:41:C:GLY:CA	1:41:C:GLY:C	7	8.98
(1,21)	1:40:A:VAL:C	1:41:A:GLY:N	1:41:A:GLY:CA	1:41:A:GLY:C	7	8.98
(1,10)	1:36:E:GLY:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	8	8.98
(1,7)	1:36:B:GLY:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	8	8.97
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	4	8.96
(1,25)	1:40:E:VAL:C	1:41:E:GLY:N	1:41:E:GLY:CA	1:41:E:GLY:C	7	8.96
(1,6)	1:36:A:GLY:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	8	8.95
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	5	8.94
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	5	8.94
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	5	8.92
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	6	8.9
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	6	8.9
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	6	8.9
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	6	8.9
(1,670)	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:CB	1:94:E:PHE:CG	10	8.89
(1,9)	1:36:D:GLY:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	8	8.89
(1,669)	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:CB	1:94:D:PHE:CG	10	8.88
(1,667)	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:CB	1:94:B:PHE:CG	10	8.88
(1,666)	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:CB	1:94:A:PHE:CG	10	8.88
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	5	8.88
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	6	8.88
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	6	8.88
(1,668)	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:CB	1:94:C:PHE:CG	10	8.86
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	5	8.86
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	6	8.85
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	6	8.85
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	6	8.85
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	4	8.85
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	4	8.84
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	6	8.83
(1,390)	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	1:62:E:GLN:N	4	8.82
(1,266)	1:96:A:LYS:C	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	7	8.82
(1,425)	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1:71:E:VAL:N	10	8.81
(1,422)	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1:71:B:VAL:N	10	8.81
(1,268)	1:96:C:LYS:C	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	7	8.81

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,267)	1:96:B:LYS:C	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	7	8.81
(1,421)	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1:71:A:VAL:N	10	8.8
(1,389)	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	1:62:D:GLN:N	9	8.8
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	4	8.8
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	4	8.8
(1,423)	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1:71:C:VAL:N	10	8.78
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	3	8.78
(1,388)	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	1:62:C:GLN:N	4	8.77
(1,387)	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	1:62:B:GLN:N	4	8.77
(1,386)	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	1:62:A:GLN:N	4	8.77
(1,270)	1:96:E:LYS:C	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	7	8.77
(1,269)	1:96:D:LYS:C	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	7	8.77
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	3	8.77
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	4	8.77
(1,390)	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	1:62:E:GLN:N	9	8.76
(1,424)	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1:71:D:VAL:N	10	8.75
(1,387)	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	1:62:B:GLN:N	9	8.75
(1,386)	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	1:62:A:GLN:N	9	8.74
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	3	8.73
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	3	8.71
(1,268)	1:96:C:LYS:C	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	5	8.71
(1,267)	1:96:B:LYS:C	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	5	8.7
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	3	8.7
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	3	8.69
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	3	8.68
(1,388)	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	1:62:C:GLN:N	9	8.68
(1,269)	1:96:D:LYS:C	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	5	8.68
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	3	8.68
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	3	8.67
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	3	8.67
(1,389)	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	1:62:D:GLN:N	4	8.66
(1,388)	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	1:62:C:GLN:N	3	8.66
(1,387)	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	1:62:B:GLN:N	3	8.66
(1,270)	1:96:E:LYS:C	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	5	8.66
(1,266)	1:96:A:LYS:C	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	5	8.65
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	3	8.64
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	3	8.63
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	3	8.63
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	3	8.61
(1,386)	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	1:62:A:GLN:N	3	8.61
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	3	8.61
(1,389)	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	1:62:D:GLN:N	3	8.57
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	4	8.57
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	4	8.57
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	4	8.56
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	4	8.54
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	4	8.51
(1,390)	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	1:62:E:GLN:N	3	8.49
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	8	8.48
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	2	8.47
(1,389)	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	1:62:D:GLN:N	5	8.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,95)	1:56:E:ALA:C	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	6	8.46
(1,390)	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	1:62:E:GLN:N	5	8.45
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	8	8.45
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	2	8.43
(1,387)	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	1:62:B:GLN:N	5	8.43
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	8	8.43
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	8	8.43
(1,93)	1:56:C:ALA:C	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	6	8.43
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	2	8.42
(1,386)	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	1:62:A:GLN:N	5	8.42
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	8	8.42
(1,92)	1:56:B:ALA:C	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	6	8.42
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	2	8.4
(1,265)	1:95:E:VAL:C	1:96:E:LYS:N	1:96:E:LYS:CA	1:96:E:LYS:C	9	8.4
(1,94)	1:56:D:ALA:C	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	6	8.4
(1,91)	1:56:A:ALA:C	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	6	8.4
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	2	8.39
(1,388)	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	1:62:C:GLN:N	5	8.39
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	4	8.38
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	7	8.38
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	7	8.36
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	7	8.36
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	7	8.36
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	4	8.35
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	4	8.34
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	4	8.34
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	4	8.34
(1,261)	1:95:A:VAL:C	1:96:A:LYS:N	1:96:A:LYS:CA	1:96:A:LYS:C	9	8.33
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	7	8.32
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	3	8.31
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	5	8.29
(1,263)	1:95:C:VAL:C	1:96:C:LYS:N	1:96:C:LYS:CA	1:96:C:LYS:C	9	8.29
(1,262)	1:95:B:VAL:C	1:96:B:LYS:N	1:96:B:LYS:CA	1:96:B:LYS:C	9	8.29
(1,421)	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1:71:A:VAL:N	2	8.28
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	5	8.27
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	3	8.26
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	5	8.25
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	5	8.25
(1,387)	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	1:62:B:GLN:N	8	8.25
(1,264)	1:95:D:VAL:C	1:96:D:LYS:N	1:96:D:LYS:CA	1:96:D:LYS:C	9	8.25
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	5	8.24
(1,425)	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1:71:E:VAL:N	2	8.24
(1,388)	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	1:62:C:GLN:N	8	8.23
(1,389)	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	1:62:D:GLN:N	8	8.22
(1,390)	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	1:62:E:GLN:N	8	8.21
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	3	8.2
(1,9)	1:36:D:GLY:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	4	8.2
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	3	8.19
(1,424)	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1:71:D:VAL:N	2	8.19
(1,386)	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	1:62:A:GLN:N	8	8.19
(1,10)	1:36:E:GLY:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	4	8.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,6)	1:36:A:GLY:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	4	8.19
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	3	8.17
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	1	8.16
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	1	8.16
(1,8)	1:36:C:GLY:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	4	8.15
(1,422)	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1:71:B:VAL:N	2	8.14
(1,423)	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1:71:C:VAL:N	2	8.13
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	1	8.13
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	1	8.13
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	1	8.12
(1,393)	1:62:C:GLN:N	1:62:C:GLN:CA	1:62:C:GLN:C	1:63:C:VAL:N	7	8.09
(1,7)	1:36:B:GLY:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	4	8.08
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	5	8.05
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	5	8.03
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	5	8.03
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	5	8.01
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	5	7.98
(1,395)	1:62:E:GLN:N	1:62:E:GLN:CA	1:62:E:GLN:C	1:63:E:VAL:N	7	7.97
(1,392)	1:62:B:GLN:N	1:62:B:GLN:CA	1:62:B:GLN:C	1:63:B:VAL:N	7	7.96
(1,391)	1:62:A:GLN:N	1:62:A:GLN:CA	1:62:A:GLN:C	1:63:A:VAL:N	7	7.96
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	4	7.95
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	7	7.95
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	4	7.94
(1,394)	1:62:D:GLN:N	1:62:D:GLN:CA	1:62:D:GLN:C	1:63:D:VAL:N	7	7.93
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	4	7.92
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	4	7.91
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	7	7.91
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	4	7.88
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	8	7.86
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	7	7.85
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	7	7.85
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	7	7.84
(1,270)	1:96:E:LYS:C	1:97:E:LYS:N	1:97:E:LYS:CA	1:97:E:LYS:C	9	7.84
(1,267)	1:96:B:LYS:C	1:97:B:LYS:N	1:97:B:LYS:CA	1:97:B:LYS:C	9	7.83
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	8	7.82
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	8	7.82
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	8	7.82
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	7	7.82
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	7	7.82
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	7	7.81
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	7	7.81
(1,266)	1:96:A:LYS:C	1:97:A:LYS:N	1:97:A:LYS:CA	1:97:A:LYS:C	9	7.81
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	6	7.81
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	7	7.8
(1,269)	1:96:D:LYS:C	1:97:D:LYS:N	1:97:D:LYS:CA	1:97:D:LYS:C	9	7.79
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	10	7.79
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	8	7.78
(1,268)	1:96:C:LYS:C	1:97:C:LYS:N	1:97:C:LYS:CA	1:97:C:LYS:C	9	7.77
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	10	7.77
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	10	7.77
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	6	7.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	6	7.76
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	10	7.74
(1,175)	1:75:E:THR:C	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	1	7.73
(1,171)	1:75:A:THR:C	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	1	7.73
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	6	7.73
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	6	7.73
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	10	7.72
(1,174)	1:75:D:THR:C	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	1	7.7
(1,173)	1:75:C:THR:C	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	1	7.7
(1,172)	1:75:B:THR:C	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	1	7.7
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	7	7.59
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	3	7.58
(1,634)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:CB	1:72:D:THR:OG1	8	7.56
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	3	7.56
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	7	7.56
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	3	7.55
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	3	7.55
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	7	7.54
(1,631)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:CB	1:72:A:THR:OG1	8	7.53
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	3	7.52
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	7	7.52
(1,635)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:CB	1:72:E:THR:OG1	8	7.5
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	7	7.5
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	7	7.48
(1,633)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:CB	1:72:C:THR:OG1	8	7.47
(1,632)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:CB	1:72:B:THR:OG1	8	7.47
(1,445)	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1:76:E:ALA:N	7	7.45
(1,442)	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1:76:B:ALA:N	7	7.42
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	7	7.42
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	7	7.41
(1,632)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:CB	1:72:B:THR:OG1	1	7.38
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	7	7.38
(1,635)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:CB	1:72:E:THR:OG1	1	7.37
(1,631)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:CB	1:72:A:THR:OG1	1	7.37
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	7	7.37
(1,444)	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1:76:D:ALA:N	7	7.36
(1,443)	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1:76:C:ALA:N	7	7.36
(1,386)	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	1:62:A:GLN:N	6	7.36
(1,390)	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	1:62:E:GLN:N	6	7.35
(1,634)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:CB	1:72:D:THR:OG1	1	7.34
(1,633)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:CB	1:72:C:THR:OG1	1	7.34
(1,441)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:ALA:N	7	7.34
(1,88)	1:55:C:VAL:C	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	1	7.34
(1,87)	1:55:B:VAL:C	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	1	7.34
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	9	7.33
(1,90)	1:55:E:VAL:C	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	1	7.33
(1,89)	1:55:D:VAL:C	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	1	7.33
(1,86)	1:55:A:VAL:C	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	1	7.33
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	5	7.32
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	5	7.32
(1,633)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:CB	1:72:C:THR:OG1	5	7.31

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,389)	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	1:62:D:GLN:N	6	7.31
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	2	7.3
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	9	7.29
(1,387)	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	1:62:B:GLN:N	6	7.28
(1,631)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:CB	1:72:A:THR:OG1	5	7.27
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	9	7.27
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	5	7.27
(1,634)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:CB	1:72:D:THR:OG1	5	7.26
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	9	7.26
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	5	7.25
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	5	7.25
(1,635)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:CB	1:72:E:THR:OG1	5	7.24
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	1	7.24
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	2	7.24
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	1	7.24
(1,632)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:CB	1:72:B:THR:OG1	5	7.23
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	5	7.23
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	2	7.22
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	2	7.22
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	1	7.22
(1,388)	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	1:62:C:GLN:N	6	7.22
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	9	7.21
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	2	7.21
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	5	7.2
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	5	7.2
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	5	7.2
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	5	7.19
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	1	7.18
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	1	7.18
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	5	7.18
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	5	7.17
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	5	7.16
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	5	7.16
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	8	7.16
(1,402)	1:64:B:THR:N	1:64:B:THR:CA	1:64:B:THR:C	1:65:B:ASN:N	9	7.15
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	5	7.14
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	8	7.13
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	8	7.13
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	8	7.12
(1,404)	1:64:D:THR:N	1:64:D:THR:CA	1:64:D:THR:C	1:65:D:ASN:N	9	7.12
(1,405)	1:64:E:THR:N	1:64:E:THR:CA	1:64:E:THR:C	1:65:E:ASN:N	9	7.11
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	6	7.1
(1,401)	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1:65:A:ASN:N	9	7.09
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	5	7.09
(1,196)	1:80:A:LYS:C	1:81:A:THR:N	1:81:A:THR:CA	1:81:A:THR:C	7	7.09
(1,634)	1:72:D:THR:N	1:72:D:THR:CA	1:72:D:THR:CB	1:72:D:THR:OG1	4	7.08
(1,631)	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:CB	1:72:A:THR:OG1	4	7.08
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	6	7.08
(1,403)	1:64:C:THR:N	1:64:C:THR:CA	1:64:C:THR:C	1:65:C:ASN:N	9	7.08
(1,197)	1:80:B:LYS:C	1:81:B:THR:N	1:81:B:THR:CA	1:81:B:THR:C	7	7.08
(1,198)	1:80:C:LYS:C	1:81:C:THR:N	1:81:C:THR:CA	1:81:C:THR:C	7	7.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	8	7.06
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	5	7.06
(1,199)	1:80:D:LYS:C	1:81:D:THR:N	1:81:D:THR:CA	1:81:D:THR:C	7	7.06
(1,635)	1:72:E:THR:N	1:72:E:THR:CA	1:72:E:THR:CB	1:72:E:THR:OG1	4	7.05
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	6	7.05
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	6	7.05
(1,633)	1:72:C:THR:N	1:72:C:THR:CA	1:72:C:THR:CB	1:72:C:THR:OG1	4	7.04
(1,632)	1:72:B:THR:N	1:72:B:THR:CA	1:72:B:THR:CB	1:72:B:THR:OG1	4	7.04
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	5	7.02
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	6	7.01
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	5	7.0
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	4	6.99
(1,200)	1:80:E:LYS:C	1:81:E:THR:N	1:81:E:THR:CA	1:81:E:THR:C	7	6.99
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	5	6.96
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	4	6.95
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	7	6.94
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	7	6.94
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	4	6.94
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	7	6.93
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	4	6.93
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	4	6.93
(1,670)	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:CB	1:94:E:PHE:CG	1	6.91
(1,666)	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:CB	1:94:A:PHE:CG	1	6.91
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	7	6.91
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	7	6.9
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	3	6.9
(1,669)	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:CB	1:94:D:PHE:CG	1	6.89
(1,668)	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:CB	1:94:C:PHE:CG	1	6.88
(1,667)	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:CB	1:94:B:PHE:CG	1	6.88
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	3	6.88
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	3	6.86
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	3	6.83
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	3	6.81
(1,418)	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	1:70:C:VAL:N	10	6.78
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	6	6.78
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	6	6.77
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	9	6.76
(1,416)	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	1:70:A:VAL:N	10	6.75
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	6	6.75
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	6	6.74
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	6	6.74
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	3	6.73
(1,419)	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	1:70:D:VAL:N	10	6.73
(1,417)	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	1:70:B:VAL:N	10	6.73
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	3	6.72
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	9	6.72
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	9	6.72
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	3	6.7
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	10	6.7
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	9	6.7
(1,420)	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	1:70:E:VAL:N	10	6.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	3	6.67
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	9	6.65
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	10	6.64
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	10	6.64
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	3	6.63
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	9	6.63
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	9	6.62
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	10	6.62
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	10	6.62
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	9	6.59
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	2	6.58
(1,10)	1:36:E:GLY:C	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	9	6.58
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	9	6.57
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	9	6.56
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	6	6.55
(1,504)	1:88:D:ILE:N	1:88:D:ILE:CA	1:88:D:ILE:C	1:89:D:ALA:N	4	6.54
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	6	6.53
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	6	6.53
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	2	6.53
(1,6)	1:36:A:GLY:C	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	9	6.53
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	4	6.52
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	2	6.52
(1,503)	1:88:C:ILE:N	1:88:C:ILE:CA	1:88:C:ILE:C	1:89:C:ALA:N	4	6.51
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	6	6.5
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	6	6.5
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	2	6.5
(1,502)	1:88:B:ILE:N	1:88:B:ILE:CA	1:88:B:ILE:C	1:89:B:ALA:N	4	6.48
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	2	6.48
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	4	6.47
(1,9)	1:36:D:GLY:C	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	9	6.47
(1,8)	1:36:C:GLY:C	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	9	6.47
(1,7)	1:36:B:GLY:C	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	9	6.47
(1,505)	1:88:E:ILE:N	1:88:E:ILE:CA	1:88:E:ILE:C	1:89:E:ALA:N	4	6.46
(1,501)	1:88:A:ILE:N	1:88:A:ILE:CA	1:88:A:ILE:C	1:89:A:ALA:N	4	6.45
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	4	6.42
(1,670)	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:CB	1:94:E:PHE:CG	6	6.36
(1,668)	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:CB	1:94:C:PHE:CG	6	6.36
(1,667)	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:CB	1:94:B:PHE:CG	6	6.36
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	4	6.36
(1,669)	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:CB	1:94:D:PHE:CG	6	6.35
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	4	6.34
(1,666)	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:CB	1:94:A:PHE:CG	6	6.33
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	9	6.31
(1,115)	1:60:E:LYS:C	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	2	6.3
(1,113)	1:60:C:LYS:C	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	2	6.29
(1,111)	1:60:A:LYS:C	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	2	6.29
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	9	6.26
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	9	6.25
(1,114)	1:60:D:LYS:C	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	2	6.23
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	9	6.2
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	9	6.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	9	6.19
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	9	6.19
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	9	6.18
(1,112)	1:60:B:LYS:C	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	2	6.17
(1,530)	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:C	1:95:E:VAL:N	8	6.16
(1,527)	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:C	1:95:B:VAL:N	8	6.14
(1,529)	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:C	1:95:D:VAL:N	8	6.12
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	1	6.12
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	9	6.12
(1,526)	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:C	1:95:A:VAL:N	8	6.1
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	9	6.1
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	1	6.09
(1,420)	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	1:70:E:VAL:N	8	6.09
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	1	6.08
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	1	6.08
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	1	6.08
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	8	6.07
(1,528)	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:C	1:95:C:VAL:N	8	6.06
(1,419)	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	1:70:D:VAL:N	8	6.04
(1,416)	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	1:70:A:VAL:N	8	6.04
(1,418)	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	1:70:C:VAL:N	8	6.02
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	8	6.02
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	8	6.02
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	8	6.02
(1,417)	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	1:70:B:VAL:N	8	6.0
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	1	5.98
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	1	5.97
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1	5.97
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	8	5.97
(1,375)	1:58:E:LYS:N	1:58:E:LYS:CA	1:58:E:LYS:C	1:59:E:THR:N	10	5.96
(1,373)	1:58:C:LYS:N	1:58:C:LYS:CA	1:58:C:LYS:C	1:59:C:THR:N	10	5.96
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	1	5.95
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	1	5.95
(1,374)	1:58:D:LYS:N	1:58:D:LYS:CA	1:58:D:LYS:C	1:59:D:THR:N	10	5.94
(1,372)	1:58:B:LYS:N	1:58:B:LYS:CA	1:58:B:LYS:C	1:59:B:THR:N	10	5.94
(1,371)	1:58:A:LYS:N	1:58:A:LYS:CA	1:58:A:LYS:C	1:59:A:THR:N	10	5.94
(1,418)	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	1:70:C:VAL:N	2	5.85
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	5	5.83
(1,420)	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	1:70:E:VAL:N	2	5.82
(1,417)	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	1:70:B:VAL:N	2	5.82
(1,416)	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	1:70:A:VAL:N	2	5.82
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	5	5.81
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	5	5.8
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	5	5.8
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	5	5.8
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	2	5.8
(1,186)	1:78:A:ALA:C	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	9	5.79
(1,187)	1:78:B:ALA:C	1:79:B:GLN:N	1:79:B:GLN:CA	1:79:B:GLN:C	9	5.77
(1,180)	1:76:E:ALA:C	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	6	5.77
(1,190)	1:78:E:ALA:C	1:79:E:GLN:N	1:79:E:GLN:CA	1:79:E:GLN:C	9	5.76
(1,419)	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	1:70:D:VAL:N	2	5.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,189)	1:78:D:ALA:C	1:79:D:GLN:N	1:79:D:GLN:CA	1:79:D:GLN:C	9	5.75
(1,177)	1:76:B:ALA:C	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	6	5.75
(1,176)	1:76:A:ALA:C	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	6	5.75
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	2	5.75
(1,188)	1:78:C:ALA:C	1:79:C:GLN:N	1:79:C:GLN:CA	1:79:C:GLN:C	9	5.74
(1,179)	1:76:D:ALA:C	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	6	5.73
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	9	5.72
(1,178)	1:76:C:ALA:C	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	6	5.72
(1,138)	1:65:C:ASN:C	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1	5.72
(1,137)	1:65:B:ASN:C	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1	5.72
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	2	5.72
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	5	5.71
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	5	5.71
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	5	5.71
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	6	5.7
(1,250)	1:91:E:ALA:C	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	8	5.7
(1,248)	1:91:C:ALA:C	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	8	5.7
(1,246)	1:91:A:ALA:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	8	5.7
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	6	5.69
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	6	5.69
(1,249)	1:91:D:ALA:C	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	8	5.69
(1,140)	1:65:E:ASN:C	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1	5.69
(1,139)	1:65:D:ASN:C	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1	5.69
(1,136)	1:65:A:ASN:C	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1	5.69
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	5	5.68
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1	5.68
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	6	5.66
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	2	5.66
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	6	5.65
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	5	5.65
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	9	5.64
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	9	5.63
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	2	5.63
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	9	5.62
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	1	5.62
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	1	5.62
(1,247)	1:91:B:ALA:C	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	8	5.61
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	2	5.61
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	1	5.6
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	9	5.59
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	1	5.59
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	1	5.59
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1	5.59
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1	5.59
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1	5.59
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1	5.59
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	2	5.59
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	2	5.58
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	3	5.56
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	2	5.55
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	2	5.54

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	3	5.53
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	3	5.52
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	3	5.52
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	3	5.5
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	5	5.5
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	5	5.48
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	8	5.47
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	3	5.47
(1,366)	1:57:A:GLU:N	1:57:A:GLU:CA	1:57:A:GLU:C	1:58:A:LYS:N	10	5.46
(1,367)	1:57:B:GLU:N	1:57:B:GLU:CA	1:57:B:GLU:C	1:58:B:LYS:N	10	5.45
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	5	5.45
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	5	5.45
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	8	5.44
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	3	5.44
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	8	5.43
(1,368)	1:57:C:GLU:N	1:57:C:GLU:CA	1:57:C:GLU:C	1:58:C:LYS:N	10	5.43
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	6	5.43
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	8	5.42
(1,370)	1:57:E:GLU:N	1:57:E:GLU:CA	1:57:E:GLU:C	1:58:E:LYS:N	10	5.42
(1,369)	1:57:D:GLU:N	1:57:D:GLU:CA	1:57:D:GLU:C	1:58:D:LYS:N	10	5.41
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	3	5.41
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	4	5.41
(1,549)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:CB	1:37:D:VAL:CG1	1	5.4
(1,548)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:CB	1:37:C:VAL:CG1	1	5.4
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	8	5.4
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	3	5.4
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	5	5.4
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	6	5.39
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	6	5.39
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	6	5.39
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	6	5.39
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	3	5.39
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	4	5.39
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	4	5.38
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	4	5.37
(1,547)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:CB	1:37:B:VAL:CG1	1	5.36
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	4	5.36
(1,504)	1:88:D:ILE:N	1:88:D:ILE:CA	1:88:D:ILE:C	1:89:D:ALA:N	1	5.35
(1,503)	1:88:C:ILE:N	1:88:C:ILE:CA	1:88:C:ILE:C	1:89:C:ALA:N	1	5.35
(1,550)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:CB	1:37:E:VAL:CG1	1	5.33
(1,546)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:CB	1:37:A:VAL:CG1	1	5.33
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	9	5.33
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	9	5.33
(1,502)	1:88:B:ILE:N	1:88:B:ILE:CA	1:88:B:ILE:C	1:89:B:ALA:N	1	5.31
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	9	5.29
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	9	5.29
(1,505)	1:88:E:ILE:N	1:88:E:ILE:CA	1:88:E:ILE:C	1:89:E:ALA:N	1	5.28
(1,501)	1:88:A:ILE:N	1:88:A:ILE:CA	1:88:A:ILE:C	1:89:A:ALA:N	1	5.28
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	9	5.28
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	6	5.26
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	6	5.26

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	2	5.24
(1,242)	1:90:B:ALA:C	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	4	5.24
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	6	5.22
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	6	5.22
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	6	5.21
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	2	5.21
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	2	5.2
(1,241)	1:90:A:ALA:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	4	5.2
(1,245)	1:90:E:ALA:C	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	4	5.17
(1,243)	1:90:C:ALA:C	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	4	5.17
(1,141)	1:68:A:GLY:C	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	5	5.17
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	2	5.15
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	2	5.15
(1,143)	1:68:C:GLY:C	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	5	5.15
(1,560)	1:39:E:TYR:N	1:39:E:TYR:CA	1:39:E:TYR:CB	1:39:E:TYR:CG	4	5.14
(1,559)	1:39:D:TYR:N	1:39:D:TYR:CA	1:39:D:TYR:CB	1:39:D:TYR:CG	4	5.14
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	4	5.13
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	4	5.13
(1,558)	1:39:C:TYR:N	1:39:C:TYR:CA	1:39:C:TYR:CB	1:39:C:TYR:CG	4	5.12
(1,556)	1:39:A:TYR:N	1:39:A:TYR:CA	1:39:A:TYR:CB	1:39:A:TYR:CG	4	5.12
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	4	5.12
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	4	5.12
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	4	5.12
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	9	5.11
(1,144)	1:68:D:GLY:C	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	5	5.1
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	9	5.1
(1,557)	1:39:B:TYR:N	1:39:B:TYR:CA	1:39:B:TYR:CB	1:39:B:TYR:CG	4	5.09
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	4	5.09
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	4	5.08
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	4	5.08
(1,142)	1:68:B:GLY:C	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	5	5.08
(1,244)	1:90:D:ALA:C	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	4	5.07
(1,145)	1:68:E:GLY:C	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	5	5.07
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	4	5.06
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	1	5.06
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	7	5.05
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	9	5.05
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	4	5.04
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	7	5.04
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	9	5.04
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	1	5.03
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	1	5.03
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	9	5.03
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	1	5.03
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1	5.03
(1,424)	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	1:71:D:VAL:N	8	5.02
(1,75)	1:52:E:VAL:C	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	1	5.02
(1,74)	1:52:D:VAL:C	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	1	5.02
(1,72)	1:52:B:VAL:C	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	1	5.02
(1,71)	1:52:A:VAL:C	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	1	5.02
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	7	5.01

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	1	5.01
(1,443)	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1:76:C:ALA:N	10	5.0
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	1	5.0
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	1	5.0
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	1	5.0
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	7	4.99
(1,445)	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1:76:E:ALA:N	10	4.98
(1,442)	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1:76:B:ALA:N	10	4.98
(1,73)	1:52:C:VAL:C	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	1	4.98
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	1	4.98
(1,444)	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1:76:D:ALA:N	10	4.97
(1,441)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:ALA:N	10	4.97
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	7	4.97
(1,423)	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	1:71:C:VAL:N	8	4.96
(1,422)	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	1:71:B:VAL:N	8	4.95
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	7	4.94
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	7	4.94
(1,425)	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	1:71:E:VAL:N	8	4.93
(1,421)	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	1:71:A:VAL:N	8	4.93
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	2	4.93
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	7	4.93
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	7	4.92
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	7	4.92
(1,139)	1:65:D:ASN:C	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	9	4.91
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	2	4.9
(1,140)	1:65:E:ASN:C	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	9	4.89
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	2	4.89
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	8	4.88
(1,180)	1:76:E:ALA:C	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	8	4.88
(1,137)	1:65:B:ASN:C	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	9	4.88
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	8	4.87
(1,136)	1:65:A:ASN:C	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	9	4.87
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	2	4.86
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	2	4.86
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	2	4.86
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	6	4.85
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	8	4.85
(1,176)	1:76:A:ALA:C	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	8	4.85
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	6	4.84
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	8	4.84
(1,439)	1:74:D:VAL:N	1:74:D:VAL:CA	1:74:D:VAL:C	1:75:D:THR:N	9	4.83
(1,179)	1:76:D:ALA:C	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	8	4.83
(1,138)	1:65:C:ASN:C	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	9	4.83
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	2	4.82
(1,178)	1:76:C:ALA:C	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	8	4.82
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	6	4.81
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	8	4.81
(1,177)	1:76:B:ALA:C	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	8	4.81
(1,440)	1:74:E:VAL:N	1:74:E:VAL:CA	1:74:E:VAL:C	1:75:E:THR:N	9	4.8
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	2	4.8
(1,438)	1:74:C:VAL:N	1:74:C:VAL:CA	1:74:C:VAL:C	1:75:C:THR:N	9	4.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,436)	1:74:A:VAL:N	1:74:A:VAL:CA	1:74:A:VAL:C	1:75:A:THR:N	9	4.79
(1,437)	1:74:B:VAL:N	1:74:B:VAL:CA	1:74:B:VAL:C	1:75:B:THR:N	9	4.78
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	6	4.78
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	2	4.77
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	6	4.77
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	2	4.77
(1,524)	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	1:93:D:GLY:N	1	4.75
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	3	4.75
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	3	4.75
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	3	4.74
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	3	4.71
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	3	4.71
(1,525)	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	1:93:E:GLY:N	1	4.7
(1,521)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLY:N	1	4.7
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	10	4.7
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	10	4.68
(1,523)	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	1:93:C:GLY:N	1	4.67
(1,522)	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	1:93:B:GLY:N	1	4.67
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	10	4.67
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	10	4.66
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	3	4.66
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	3	4.65
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	3	4.65
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	10	4.63
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	3	4.62
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	4	4.6
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	3	4.6
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	4	4.6
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	10	4.57
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	4	4.57
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	6	4.56
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	10	4.56
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	10	4.56
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	10	4.56
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	5	4.54
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	5	4.54
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	6	4.54
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	6	4.54
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	4	4.53
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	4	4.53
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	6	4.52
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	8	4.52
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	5	4.51
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	6	4.51
(1,283)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:C	1:38:C:LEU:N	3	4.51
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	5	4.5
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	10	4.5
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	5	4.49
(1,360)	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	1:56:E:ALA:N	10	4.49
(1,359)	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	1:56:D:ALA:N	10	4.49
(1,358)	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	1:56:C:ALA:N	10	4.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	8	4.49
(1,550)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:CB	1:37:E:VAL:CG1	6	4.48
(1,285)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:C	1:38:E:LEU:N	3	4.48
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	8	4.48
(1,357)	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	1:56:B:ALA:N	10	4.47
(1,356)	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	1:56:A:ALA:N	10	4.47
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	8	4.46
(1,549)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:CB	1:37:D:VAL:CG1	7	4.45
(1,547)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:CB	1:37:B:VAL:CG1	6	4.45
(1,520)	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	1:92:E:THR:N	9	4.45
(1,517)	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	1:92:B:THR:N	9	4.45
(1,284)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:C	1:38:D:LEU:N	3	4.45
(1,282)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:C	1:38:B:LEU:N	3	4.45
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	8	4.44
(1,546)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:CB	1:37:A:VAL:CG1	7	4.42
(1,281)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:C	1:38:A:LEU:N	3	4.42
(1,549)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:CB	1:37:D:VAL:CG1	6	4.41
(1,548)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:CB	1:37:C:VAL:CG1	6	4.41
(1,516)	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1:92:A:THR:N	9	4.41
(1,547)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:CB	1:37:B:VAL:CG1	7	4.4
(1,546)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:CB	1:37:A:VAL:CG1	6	4.4
(1,519)	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	1:92:D:THR:N	9	4.4
(1,205)	1:81:E:THR:C	1:82:E:VAL:N	1:82:E:VAL:CA	1:82:E:VAL:C	2	4.39
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	9	4.38
(1,548)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:CB	1:37:C:VAL:CG1	7	4.37
(1,518)	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	1:92:C:THR:N	9	4.36
(1,202)	1:81:B:THR:C	1:82:B:VAL:N	1:82:B:VAL:CA	1:82:B:VAL:C	2	4.36
(1,177)	1:76:B:ALA:C	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	2	4.36
(1,550)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:CB	1:37:E:VAL:CG1	7	4.35
(1,179)	1:76:D:ALA:C	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	2	4.35
(1,178)	1:76:C:ALA:C	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	2	4.35
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	6	4.35
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	9	4.35
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	9	4.35
(1,557)	1:39:B:TYR:N	1:39:B:TYR:CA	1:39:B:TYR:CB	1:39:B:TYR:CG	3	4.34
(1,203)	1:81:C:THR:C	1:82:C:VAL:N	1:82:C:VAL:CA	1:82:C:VAL:C	2	4.34
(1,487)	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	1:86:B:GLY:N	10	4.33
(1,204)	1:81:D:THR:C	1:82:D:VAL:N	1:82:D:VAL:CA	1:82:D:VAL:C	2	4.33
(1,201)	1:81:A:THR:C	1:82:A:VAL:N	1:82:A:VAL:CA	1:82:A:VAL:C	2	4.33
(1,180)	1:76:E:ALA:C	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	2	4.33
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	9	4.33
(1,486)	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	1:86:A:GLY:N	10	4.32
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	7	4.32
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	6	4.32
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	6	4.32
(1,556)	1:39:A:TYR:N	1:39:A:TYR:CA	1:39:A:TYR:CB	1:39:A:TYR:CG	3	4.31
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	6	4.31
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	6	4.31
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	9	4.31
(1,546)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:CB	1:37:A:VAL:CG1	5	4.3
(1,488)	1:85:C:ALA:N	1:85:C:ALA:CA	1:85:C:ALA:C	1:86:C:GLY:N	10	4.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	7	4.3
(1,176)	1:76:A:ALA:C	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	2	4.3
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	7	4.29
(1,550)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:CB	1:37:E:VAL:CG1	5	4.28
(1,549)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:CB	1:37:D:VAL:CG1	5	4.28
(1,548)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:CB	1:37:C:VAL:CG1	5	4.28
(1,489)	1:85:D:ALA:N	1:85:D:ALA:CA	1:85:D:ALA:C	1:86:D:GLY:N	10	4.27
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	7	4.27
(1,63)	1:49:C:VAL:C	1:50:C:HIS:N	1:50:C:HIS:CA	1:50:C:HIS:C	7	4.27
(1,61)	1:49:A:VAL:C	1:50:A:HIS:N	1:50:A:HIS:CA	1:50:A:HIS:C	7	4.27
(1,560)	1:39:E:TYR:N	1:39:E:TYR:CA	1:39:E:TYR:CB	1:39:E:TYR:CG	3	4.26
(1,559)	1:39:D:TYR:N	1:39:D:TYR:CA	1:39:D:TYR:CB	1:39:D:TYR:CG	3	4.26
(1,490)	1:85:E:ALA:N	1:85:E:ALA:CA	1:85:E:ALA:C	1:86:E:GLY:N	10	4.26
(1,65)	1:49:E:VAL:C	1:50:E:HIS:N	1:50:E:HIS:CA	1:50:E:HIS:C	7	4.26
(1,558)	1:39:C:TYR:N	1:39:C:TYR:CA	1:39:C:TYR:CB	1:39:C:TYR:CG	3	4.25
(1,547)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:CB	1:37:B:VAL:CG1	5	4.24
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	4	4.24
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	4	4.23
(1,62)	1:49:B:VAL:C	1:50:B:HIS:N	1:50:B:HIS:CA	1:50:B:HIS:C	7	4.23
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	7	4.22
(1,179)	1:76:D:ALA:C	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	5	4.22
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	4	4.21
(1,180)	1:76:E:ALA:C	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	5	4.21
(1,64)	1:49:D:VAL:C	1:50:D:HIS:N	1:50:D:HIS:CA	1:50:D:HIS:C	7	4.21
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	4	4.18
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	4	4.18
(1,177)	1:76:B:ALA:C	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	5	4.18
(1,178)	1:76:C:ALA:C	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	5	4.16
(1,176)	1:76:A:ALA:C	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	5	4.16
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	2	4.16
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	2	4.16
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	1	4.15
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	1	4.15
(1,180)	1:76:E:ALA:C	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	9	4.13
(1,178)	1:76:C:ALA:C	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	9	4.13
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	2	4.12
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	1	4.12
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	1	4.12
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	2	4.11
(1,179)	1:76:D:ALA:C	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	9	4.09
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	2	4.09
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	1	4.09
(1,670)	1:94:E:PHE:N	1:94:E:PHE:CA	1:94:E:PHE:CB	1:94:E:PHE:CG	3	4.08
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	5	4.08
(1,667)	1:94:B:PHE:N	1:94:B:PHE:CA	1:94:B:PHE:CB	1:94:B:PHE:CG	3	4.07
(1,177)	1:76:B:ALA:C	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	9	4.07
(1,669)	1:94:D:PHE:N	1:94:D:PHE:CA	1:94:D:PHE:CB	1:94:D:PHE:CG	3	4.06
(1,176)	1:76:A:ALA:C	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	9	4.06
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	5	4.06
(1,668)	1:94:C:PHE:N	1:94:C:PHE:CA	1:94:C:PHE:CB	1:94:C:PHE:CG	3	4.05
(1,178)	1:76:C:ALA:C	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	1	4.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	5	4.05
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	5	4.04
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	5	4.04
(1,666)	1:94:A:PHE:N	1:94:A:PHE:CA	1:94:A:PHE:CB	1:94:A:PHE:CG	3	4.02
(1,443)	1:75:C:THR:N	1:75:C:THR:CA	1:75:C:THR:C	1:76:C:ALA:N	5	4.01
(1,323)	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	1:47:C:GLY:N	6	4.01
(1,180)	1:76:E:ALA:C	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	1	4.01
(1,177)	1:76:B:ALA:C	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	1	4.01
(1,176)	1:76:A:ALA:C	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	1	4.01
(1,179)	1:76:D:ALA:C	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	1	3.99
(1,451)	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	1:78:A:ALA:N	7	3.98
(1,441)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:ALA:N	5	3.98
(1,445)	1:75:E:THR:N	1:75:E:THR:CA	1:75:E:THR:C	1:76:E:ALA:N	5	3.97
(1,312)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	1:45:B:LYS:N	8	3.97
(1,454)	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	1:78:D:ALA:N	7	3.96
(1,453)	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	1:78:C:ALA:N	7	3.95
(1,315)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	1:45:E:LYS:N	8	3.95
(1,444)	1:75:D:THR:N	1:75:D:THR:CA	1:75:D:THR:C	1:76:D:ALA:N	5	3.94
(1,442)	1:75:B:THR:N	1:75:B:THR:CA	1:75:B:THR:C	1:76:B:ALA:N	5	3.94
(1,324)	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	1:47:D:GLY:N	6	3.94
(1,311)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	8	3.94
(1,314)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	1:45:D:LYS:N	8	3.93
(1,325)	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	1:47:E:GLY:N	6	3.92
(1,322)	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	1:47:B:GLY:N	6	3.92
(1,180)	1:76:E:ALA:C	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	3	3.92
(1,321)	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	1:47:A:GLY:N	6	3.91
(1,313)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	1:45:C:LYS:N	8	3.91
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	7	3.91
(1,178)	1:76:C:ALA:C	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	3	3.9
(1,176)	1:76:A:ALA:C	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	3	3.9
(1,177)	1:76:B:ALA:C	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	3	3.89
(1,455)	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	1:78:E:ALA:N	7	3.87
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	7	3.86
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	7	3.86
(1,452)	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	1:78:B:ALA:N	7	3.84
(1,179)	1:76:D:ALA:C	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	3	3.84
(1,98)	1:57:C:GLU:C	1:58:C:LYS:N	1:58:C:LYS:CA	1:58:C:LYS:C	6	3.84
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	7	3.84
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	7	3.84
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	7	3.84
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	10	3.82
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	7	3.82
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	7	3.82
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	7	3.81
(1,100)	1:57:E:GLU:C	1:58:E:LYS:N	1:58:E:LYS:CA	1:58:E:LYS:C	6	3.8
(1,99)	1:57:D:GLU:C	1:58:D:LYS:N	1:58:D:LYS:CA	1:58:D:LYS:C	6	3.8
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	10	3.79
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	7	3.78
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	10	3.77
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	10	3.77
(1,96)	1:57:A:GLU:C	1:58:A:LYS:N	1:58:A:LYS:CA	1:58:A:LYS:C	6	3.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	5	3.77
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	10	3.76
(1,97)	1:57:B:GLU:C	1:58:B:LYS:N	1:58:B:LYS:CA	1:58:B:LYS:C	6	3.76
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	5	3.74
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	5	3.72
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	8	3.69
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	8	3.69
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	5	3.68
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	4	3.68
(1,517)	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	1:92:B:THR:N	2	3.67
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	5	3.67
(1,140)	1:65:E:ASN:C	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	4	3.66
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	8	3.66
(1,516)	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1:92:A:THR:N	2	3.65
(1,138)	1:65:C:ASN:C	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	4	3.65
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	8	3.65
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	4	3.65
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	4	3.65
(1,136)	1:65:A:ASN:C	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	4	3.64
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	10	3.64
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	10	3.64
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	8	3.63
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	4	3.63
(1,520)	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	1:92:E:THR:N	2	3.62
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	10	3.62
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	10	3.62
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	4	3.62
(1,518)	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	1:92:C:THR:N	2	3.61
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	10	3.6
(1,176)	1:76:A:ALA:C	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	4	3.59
(1,139)	1:65:D:ASN:C	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	4	3.59
(1,137)	1:65:B:ASN:C	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	4	3.59
(1,519)	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	1:92:D:THR:N	2	3.57
(1,190)	1:78:E:ALA:C	1:79:E:GLN:N	1:79:E:GLN:CA	1:79:E:GLN:C	1	3.57
(1,188)	1:78:C:ALA:C	1:79:C:GLN:N	1:79:C:GLN:CA	1:79:C:GLN:C	1	3.57
(1,187)	1:78:B:ALA:C	1:79:B:GLN:N	1:79:B:GLN:CA	1:79:B:GLN:C	1	3.57
(1,186)	1:78:A:ALA:C	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	1	3.57
(1,179)	1:76:D:ALA:C	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	4	3.57
(1,177)	1:76:B:ALA:C	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	4	3.57
(1,519)	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	1:92:D:THR:N	5	3.55
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	1	3.55
(1,189)	1:78:D:ALA:C	1:79:D:GLN:N	1:79:D:GLN:CA	1:79:D:GLN:C	1	3.55
(1,178)	1:76:C:ALA:C	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	4	3.54
(1,180)	1:76:E:ALA:C	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	4	3.53
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	1	3.52
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	1	3.52
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	1	3.52
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	1	3.51
(1,517)	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	1:92:B:THR:N	5	3.47
(1,525)	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	1:93:E:GLY:N	10	3.45
(1,524)	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	1:93:D:GLY:N	10	3.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,523)	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	1:93:C:GLY:N	10	3.45
(1,521)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLY:N	10	3.45
(1,520)	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	1:92:E:THR:N	5	3.45
(1,516)	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1:92:A:THR:N	5	3.45
(1,518)	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	1:92:C:THR:N	5	3.42
(1,568)	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:CB	1:44:C:THR:OG1	8	3.41
(1,522)	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	1:93:B:GLY:N	10	3.41
(1,47)	1:45:B:LYS:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	8	3.41
(1,420)	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	1:70:E:VAL:N	6	3.39
(1,48)	1:45:C:LYS:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	8	3.39
(1,35)	1:42:E:SER:C	1:43:E:LYS:N	1:43:E:LYS:CA	1:43:E:LYS:C	10	3.39
(1,566)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:CB	1:44:A:THR:OG1	8	3.38
(1,34)	1:42:D:SER:C	1:43:D:LYS:N	1:43:D:LYS:CA	1:43:D:LYS:C	10	3.38
(1,569)	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:CB	1:44:D:THR:OG1	8	3.37
(1,418)	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	1:70:C:VAL:N	6	3.37
(1,570)	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:CB	1:44:E:THR:OG1	8	3.36
(1,567)	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:CB	1:44:B:THR:OG1	8	3.36
(1,416)	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	1:70:A:VAL:N	6	3.36
(1,50)	1:45:E:LYS:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	8	3.36
(1,46)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	8	3.36
(1,417)	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	1:70:B:VAL:N	6	3.35
(1,49)	1:45:D:LYS:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	8	3.35
(1,32)	1:42:B:SER:C	1:43:B:LYS:N	1:43:B:LYS:CA	1:43:B:LYS:C	10	3.35
(1,419)	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	1:70:D:VAL:N	6	3.34
(1,33)	1:42:C:SER:C	1:43:C:LYS:N	1:43:C:LYS:CA	1:43:C:LYS:C	10	3.31
(1,31)	1:42:A:SER:C	1:43:A:LYS:N	1:43:A:LYS:CA	1:43:A:LYS:C	10	3.3
(1,139)	1:65:D:ASN:C	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	3	3.25
(1,138)	1:65:C:ASN:C	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	3	3.25
(1,140)	1:65:E:ASN:C	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	3	3.21
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	4	3.2
(1,465)	1:79:E:GLN:N	1:79:E:GLN:CA	1:79:E:GLN:C	1:80:E:LYS:N	7	3.18
(1,464)	1:79:D:GLN:N	1:79:D:GLN:CA	1:79:D:GLN:C	1:80:D:LYS:N	7	3.18
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	4	3.18
(1,463)	1:79:C:GLN:N	1:79:C:GLN:CA	1:79:C:GLN:C	1:80:C:LYS:N	7	3.17
(1,136)	1:65:A:ASN:C	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	3	3.17
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	4	3.17
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	4	3.15
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	4	3.15
(1,462)	1:79:B:GLN:N	1:79:B:GLN:CA	1:79:B:GLN:C	1:80:B:LYS:N	7	3.14
(1,461)	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	1:80:A:LYS:N	7	3.14
(1,137)	1:65:B:ASN:C	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	3	3.13
(1,376)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:LYS:N	4	3.12
(1,113)	1:60:C:LYS:C	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	6	3.12
(1,111)	1:60:A:LYS:C	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	6	3.1
(1,379)	1:59:D:THR:N	1:59:D:THR:CA	1:59:D:THR:C	1:60:D:LYS:N	4	3.09
(1,114)	1:60:D:LYS:C	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	6	3.09
(1,115)	1:60:E:LYS:C	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	6	3.08
(1,380)	1:59:E:THR:N	1:59:E:THR:CA	1:59:E:THR:C	1:60:E:LYS:N	4	3.07
(1,112)	1:60:B:LYS:C	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	6	3.07
(1,378)	1:59:C:THR:N	1:59:C:THR:CA	1:59:C:THR:C	1:60:C:LYS:N	4	2.97
(1,60)	1:48:E:VAL:C	1:49:E:VAL:N	1:49:E:VAL:CA	1:49:E:VAL:C	2	2.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,59)	1:48:D:VAL:C	1:49:D:VAL:N	1:49:D:VAL:CA	1:49:D:VAL:C	2	2.97
(1,56)	1:48:A:VAL:C	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	2	2.95
(1,58)	1:48:C:VAL:C	1:49:C:VAL:N	1:49:C:VAL:CA	1:49:C:VAL:C	2	2.94
(1,377)	1:59:B:THR:N	1:59:B:THR:CA	1:59:B:THR:C	1:60:B:LYS:N	4	2.92
(1,57)	1:48:B:VAL:C	1:49:B:VAL:N	1:49:B:VAL:CA	1:49:B:VAL:C	2	2.91
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	3	2.88
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	5	2.88
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	3	2.86
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	3	2.86
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	5	2.86
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	3	2.85
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	3	2.84
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	5	2.84
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	5	2.84
(1,133)	1:64:C:THR:C	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	3	2.83
(1,131)	1:64:A:THR:C	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	3	2.81
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	5	2.81
(1,134)	1:64:D:THR:C	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	3	2.78
(1,135)	1:64:E:THR:C	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	3	2.76
(1,485)	1:83:E:GLU:N	1:83:E:GLU:CA	1:83:E:GLU:C	1:84:E:GLY:N	1	2.73
(1,484)	1:83:D:GLU:N	1:83:D:GLU:CA	1:83:D:GLU:C	1:84:D:GLY:N	1	2.73
(1,483)	1:83:C:GLU:N	1:83:C:GLU:CA	1:83:C:GLU:C	1:84:C:GLY:N	1	2.73
(1,481)	1:83:A:GLU:N	1:83:A:GLU:CA	1:83:A:GLU:C	1:84:A:GLY:N	1	2.73
(1,364)	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	1:57:D:GLU:N	1	2.73
(1,363)	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	1:57:C:GLU:N	1	2.73
(1,362)	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	1:57:B:GLU:N	1	2.73
(1,132)	1:64:B:THR:C	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	3	2.71
(1,522)	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	1:93:B:GLY:N	3	2.7
(1,482)	1:83:B:GLU:N	1:83:B:GLU:CA	1:83:B:GLU:C	1:84:B:GLY:N	1	2.7
(1,365)	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	1:57:E:GLU:N	1	2.7
(1,361)	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	1:57:A:GLU:N	1	2.7
(1,525)	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	1:93:E:GLY:N	3	2.67
(1,246)	1:91:A:ALA:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	2	2.66
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	6	2.64
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	6	2.64
(1,482)	1:83:B:GLU:N	1:83:B:GLU:CA	1:83:B:GLU:C	1:84:B:GLY:N	9	2.63
(1,524)	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	1:93:D:GLY:N	3	2.62
(1,523)	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	1:93:C:GLY:N	3	2.62
(1,521)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLY:N	3	2.62
(1,247)	1:91:B:ALA:C	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	2	2.61
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	6	2.61
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	6	2.61
(1,481)	1:83:A:GLU:N	1:83:A:GLU:CA	1:83:A:GLU:C	1:84:A:GLY:N	9	2.6
(1,248)	1:91:C:ALA:C	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	2	2.6
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	6	2.6
(1,485)	1:83:E:GLU:N	1:83:E:GLU:CA	1:83:E:GLU:C	1:84:E:GLY:N	9	2.59
(1,484)	1:83:D:GLU:N	1:83:D:GLU:CA	1:83:D:GLU:C	1:84:D:GLY:N	9	2.59
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	8	2.59
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	8	2.59
(1,250)	1:91:E:ALA:C	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	2	2.59
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	8	2.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	10	2.58
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	10	2.58
(1,483)	1:83:C:GLU:N	1:83:C:GLU:CA	1:83:C:GLU:C	1:84:C:GLY:N	9	2.57
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	8	2.57
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	8	2.57
(1,249)	1:91:D:ALA:C	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	2	2.57
(1,410)	1:65:E:ASN:N	1:65:E:ASN:CA	1:65:E:ASN:C	1:66:E:VAL:N	9	2.56
(1,406)	1:65:A:ASN:N	1:65:A:ASN:CA	1:65:A:ASN:C	1:66:A:VAL:N	9	2.55
(1,409)	1:65:D:ASN:N	1:65:D:ASN:CA	1:65:D:ASN:C	1:66:D:VAL:N	9	2.53
(1,407)	1:65:B:ASN:N	1:65:B:ASN:CA	1:65:B:ASN:C	1:66:B:VAL:N	9	2.53
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	10	2.53
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	10	2.53
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	10	2.53
(1,137)	1:65:B:ASN:C	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	2	2.5
(1,137)	1:65:B:ASN:C	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	10	2.5
(1,408)	1:65:C:ASN:N	1:65:C:ASN:CA	1:65:C:ASN:C	1:66:C:VAL:N	9	2.49
(1,140)	1:65:E:ASN:C	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	2	2.49
(1,140)	1:65:E:ASN:C	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	10	2.48
(1,139)	1:65:D:ASN:C	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	2	2.47
(1,139)	1:65:D:ASN:C	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	10	2.47
(1,39)	1:43:D:LYS:C	1:44:D:THR:N	1:44:D:THR:CA	1:44:D:THR:C	8	2.47
(1,138)	1:65:C:ASN:C	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	2	2.46
(1,136)	1:65:A:ASN:C	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	10	2.46
(1,454)	1:77:D:VAL:N	1:77:D:VAL:CA	1:77:D:VAL:C	1:78:D:ALA:N	10	2.45
(1,453)	1:77:C:VAL:N	1:77:C:VAL:CA	1:77:C:VAL:C	1:78:C:ALA:N	10	2.45
(1,138)	1:65:C:ASN:C	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	10	2.45
(1,136)	1:65:A:ASN:C	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	2	2.45
(1,40)	1:43:E:LYS:C	1:44:E:THR:N	1:44:E:THR:CA	1:44:E:THR:C	8	2.45
(1,36)	1:43:A:LYS:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	8	2.44
(1,141)	1:68:A:GLY:C	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	4	2.43
(1,452)	1:77:B:VAL:N	1:77:B:VAL:CA	1:77:B:VAL:C	1:78:B:ALA:N	10	2.42
(1,451)	1:77:A:VAL:N	1:77:A:VAL:CA	1:77:A:VAL:C	1:78:A:ALA:N	10	2.41
(1,145)	1:68:E:GLY:C	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	4	2.41
(1,38)	1:43:C:LYS:C	1:44:C:THR:N	1:44:C:THR:CA	1:44:C:THR:C	8	2.4
(1,455)	1:77:E:VAL:N	1:77:E:VAL:CA	1:77:E:VAL:C	1:78:E:ALA:N	10	2.39
(1,143)	1:68:C:GLY:C	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	4	2.39
(1,37)	1:43:B:LYS:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	8	2.36
(1,142)	1:68:B:GLY:C	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	4	2.35
(1,144)	1:68:D:GLY:C	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	4	2.31
(1,136)	1:65:A:ASN:C	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	8	2.29
(1,114)	1:60:D:LYS:C	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	3	2.29
(1,111)	1:60:A:LYS:C	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	3	2.29
(1,140)	1:65:E:ASN:C	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	8	2.27
(1,418)	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	1:70:C:VAL:N	7	2.26
(1,417)	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	1:70:B:VAL:N	7	2.26
(1,138)	1:65:C:ASN:C	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	8	2.26
(1,137)	1:65:B:ASN:C	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	8	2.26
(1,113)	1:60:C:LYS:C	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	3	2.26
(1,416)	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	1:70:A:VAL:N	7	2.24
(1,139)	1:65:D:ASN:C	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	8	2.24
(1,115)	1:60:E:LYS:C	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	3	2.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,549)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:CB	1:37:D:VAL:CG1	2	2.21
(1,547)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:CB	1:37:B:VAL:CG1	2	2.21
(1,420)	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	1:70:E:VAL:N	7	2.21
(1,112)	1:60:B:LYS:C	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	3	2.21
(1,419)	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	1:70:D:VAL:N	7	2.19
(1,550)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:CB	1:37:E:VAL:CG1	2	2.18
(1,546)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:CB	1:37:A:VAL:CG1	2	2.15
(1,548)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:CB	1:37:C:VAL:CG1	2	2.12
(1,548)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:CB	1:37:C:VAL:CG1	10	2.02
(1,547)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:CB	1:37:B:VAL:CG1	10	2.02
(1,550)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:CB	1:37:E:VAL:CG1	10	1.99
(1,549)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:CB	1:37:D:VAL:CG1	10	1.99
(1,546)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:CB	1:37:A:VAL:CG1	10	1.99
(1,376)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:LYS:N	10	1.99
(1,378)	1:59:C:THR:N	1:59:C:THR:CA	1:59:C:THR:C	1:60:C:LYS:N	10	1.97
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	7	1.97
(1,379)	1:59:D:THR:N	1:59:D:THR:CA	1:59:D:THR:C	1:60:D:LYS:N	10	1.96
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	7	1.96
(1,144)	1:68:D:GLY:C	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	6	1.96
(1,141)	1:68:A:GLY:C	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	6	1.96
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	7	1.94
(1,143)	1:68:C:GLY:C	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	6	1.93
(1,521)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLY:N	6	1.92
(1,85)	1:54:E:THR:C	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	2	1.92
(1,522)	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	1:93:B:GLY:N	6	1.91
(1,377)	1:59:B:THR:N	1:59:B:THR:CA	1:59:B:THR:C	1:60:B:LYS:N	10	1.91
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	7	1.91
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	2	1.91
(1,145)	1:68:E:GLY:C	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	6	1.91
(1,82)	1:54:B:THR:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	2	1.91
(1,516)	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1:92:A:THR:N	1	1.9
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	7	1.9
(1,380)	1:59:E:THR:N	1:59:E:THR:CA	1:59:E:THR:C	1:60:E:LYS:N	10	1.89
(1,84)	1:54:D:THR:C	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	2	1.88
(1,83)	1:54:C:THR:C	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	2	1.88
(1,81)	1:54:A:THR:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	2	1.88
(1,523)	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	1:93:C:GLY:N	6	1.87
(1,517)	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	1:92:B:THR:N	1	1.87
(1,142)	1:68:B:GLY:C	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	6	1.87
(1,524)	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	1:93:D:GLY:N	6	1.86
(1,190)	1:78:E:ALA:C	1:79:E:GLN:N	1:79:E:GLN:CA	1:79:E:GLN:C	10	1.86
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	2	1.86
(1,520)	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	1:92:E:THR:N	1	1.85
(1,519)	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	1:92:D:THR:N	1	1.85
(1,518)	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	1:92:C:THR:N	1	1.85
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	10	1.85
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	1	1.85
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	1	1.85
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	10	1.85
(1,186)	1:78:A:ALA:C	1:79:A:GLN:N	1:79:A:GLN:CA	1:79:A:GLN:C	10	1.85
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	2	1.85

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,525)	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	1:93:E:GLY:N	6	1.84
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	10	1.84
(1,188)	1:78:C:ALA:C	1:79:C:GLN:N	1:79:C:GLN:CA	1:79:C:GLN:C	10	1.84
(1,187)	1:78:B:ALA:C	1:79:B:GLN:N	1:79:B:GLN:CA	1:79:B:GLN:C	10	1.84
(1,415)	1:66:E:VAL:N	1:66:E:VAL:CA	1:66:E:VAL:C	1:67:E:GLY:N	1	1.82
(1,414)	1:66:D:VAL:N	1:66:D:VAL:CA	1:66:D:VAL:C	1:67:D:GLY:N	1	1.82
(1,411)	1:66:A:VAL:N	1:66:A:VAL:CA	1:66:A:VAL:C	1:67:A:GLY:N	1	1.82
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	2	1.82
(1,412)	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	1:67:B:GLY:N	10	1.81
(1,189)	1:78:D:ALA:C	1:79:D:GLN:N	1:79:D:GLN:CA	1:79:D:GLN:C	10	1.81
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	2	1.81
(1,413)	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	1:67:C:GLY:N	10	1.8
(1,531)	1:95:A:VAL:N	1:95:A:VAL:CA	1:95:A:VAL:C	1:96:A:LYS:N	8	1.73
(1,519)	1:91:D:ALA:N	1:91:D:ALA:CA	1:91:D:ALA:C	1:92:D:THR:N	4	1.7
(1,516)	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1:92:A:THR:N	4	1.7
(1,150)	1:69:E:ALA:C	1:70:E:VAL:N	1:70:E:VAL:CA	1:70:E:VAL:C	8	1.7
(1,534)	1:95:D:VAL:N	1:95:D:VAL:CA	1:95:D:VAL:C	1:96:D:LYS:N	8	1.69
(1,533)	1:95:C:VAL:N	1:95:C:VAL:CA	1:95:C:VAL:C	1:96:C:LYS:N	8	1.69
(1,532)	1:95:B:VAL:N	1:95:B:VAL:CA	1:95:B:VAL:C	1:96:B:LYS:N	8	1.68
(1,520)	1:91:E:ALA:N	1:91:E:ALA:CA	1:91:E:ALA:C	1:92:E:THR:N	4	1.68
(1,149)	1:69:D:ALA:C	1:70:D:VAL:N	1:70:D:VAL:CA	1:70:D:VAL:C	8	1.68
(1,518)	1:91:C:ALA:N	1:91:C:ALA:CA	1:91:C:ALA:C	1:92:C:THR:N	4	1.67
(1,535)	1:95:E:VAL:N	1:95:E:VAL:CA	1:95:E:VAL:C	1:96:E:LYS:N	8	1.66
(1,517)	1:91:B:ALA:N	1:91:B:ALA:CA	1:91:B:ALA:C	1:92:B:THR:N	4	1.65
(1,146)	1:69:A:ALA:C	1:70:A:VAL:N	1:70:A:VAL:CA	1:70:A:VAL:C	8	1.65
(1,147)	1:69:B:ALA:C	1:70:B:VAL:N	1:70:B:VAL:CA	1:70:B:VAL:C	8	1.64
(1,148)	1:69:C:ALA:C	1:70:C:VAL:N	1:70:C:VAL:CA	1:70:C:VAL:C	8	1.63
(1,371)	1:58:A:LYS:N	1:58:A:LYS:CA	1:58:A:LYS:C	1:59:A:THR:N	2	1.59
(1,145)	1:68:E:GLY:C	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	2	1.59
(1,81)	1:54:A:THR:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	10	1.58
(1,374)	1:58:D:LYS:N	1:58:D:LYS:CA	1:58:D:LYS:C	1:59:D:THR:N	2	1.57
(1,85)	1:54:E:THR:C	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	10	1.56
(1,84)	1:54:D:THR:C	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	10	1.56
(1,83)	1:54:C:THR:C	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	10	1.56
(1,82)	1:54:B:THR:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	10	1.56
(1,248)	1:91:C:ALA:C	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	5	1.54
(1,350)	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	1:54:E:THR:N	8	1.53
(1,348)	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	1:54:C:THR:N	8	1.53
(1,249)	1:91:D:ALA:C	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	5	1.53
(1,142)	1:68:B:GLY:C	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	2	1.53
(1,246)	1:91:A:ALA:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	5	1.52
(1,143)	1:68:C:GLY:C	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	2	1.52
(1,247)	1:91:B:ALA:C	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	5	1.51
(1,347)	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	1:54:B:THR:N	8	1.5
(1,375)	1:58:E:LYS:N	1:58:E:LYS:CA	1:58:E:LYS:C	1:59:E:THR:N	2	1.49
(1,372)	1:58:B:LYS:N	1:58:B:LYS:CA	1:58:B:LYS:C	1:59:B:THR:N	2	1.49
(1,346)	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	1:54:A:THR:N	8	1.49
(1,373)	1:58:C:LYS:N	1:58:C:LYS:CA	1:58:C:LYS:C	1:59:C:THR:N	2	1.48
(1,349)	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	1:54:D:THR:N	8	1.47
(1,141)	1:68:A:GLY:C	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	2	1.46
(1,250)	1:91:E:ALA:C	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	5	1.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,144)	1:68:D:GLY:C	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	2	1.44
(1,546)	1:37:A:VAL:N	1:37:A:VAL:CA	1:37:A:VAL:CB	1:37:A:VAL:CG1	8	1.43
(1,549)	1:37:D:VAL:N	1:37:D:VAL:CA	1:37:D:VAL:CB	1:37:D:VAL:CG1	8	1.41
(1,547)	1:37:B:VAL:N	1:37:B:VAL:CA	1:37:B:VAL:CB	1:37:B:VAL:CG1	8	1.41
(1,550)	1:37:E:VAL:N	1:37:E:VAL:CA	1:37:E:VAL:CB	1:37:E:VAL:CG1	8	1.4
(1,548)	1:37:C:VAL:N	1:37:C:VAL:CA	1:37:C:VAL:CB	1:37:C:VAL:CG1	8	1.38
(1,364)	1:56:D:ALA:N	1:56:D:ALA:CA	1:56:D:ALA:C	1:57:D:GLU:N	2	1.36
(1,363)	1:56:C:ALA:N	1:56:C:ALA:CA	1:56:C:ALA:C	1:57:C:GLU:N	2	1.36
(1,46)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	7	1.36
(1,50)	1:45:E:LYS:C	1:46:E:GLU:N	1:46:E:GLU:CA	1:46:E:GLU:C	7	1.35
(1,49)	1:45:D:LYS:C	1:46:D:GLU:N	1:46:D:GLU:CA	1:46:D:GLU:C	7	1.35
(1,365)	1:56:E:ALA:N	1:56:E:ALA:CA	1:56:E:ALA:C	1:57:E:GLU:N	2	1.34
(1,114)	1:60:D:LYS:C	1:61:D:GLU:N	1:61:D:GLU:CA	1:61:D:GLU:C	5	1.34
(1,47)	1:45:B:LYS:C	1:46:B:GLU:N	1:46:B:GLU:CA	1:46:B:GLU:C	7	1.33
(1,48)	1:45:C:LYS:C	1:46:C:GLU:N	1:46:C:GLU:CA	1:46:C:GLU:C	7	1.32
(1,115)	1:60:E:LYS:C	1:61:E:GLU:N	1:61:E:GLU:CA	1:61:E:GLU:C	5	1.31
(1,111)	1:60:A:LYS:C	1:61:A:GLU:N	1:61:A:GLU:CA	1:61:A:GLU:C	5	1.31
(1,362)	1:56:B:ALA:N	1:56:B:ALA:CA	1:56:B:ALA:C	1:57:B:GLU:N	2	1.3
(1,361)	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	1:57:A:GLU:N	2	1.3
(1,113)	1:60:C:LYS:C	1:61:C:GLU:N	1:61:C:GLU:CA	1:61:C:GLU:C	5	1.3
(1,112)	1:60:B:LYS:C	1:61:B:GLU:N	1:61:B:GLU:CA	1:61:B:GLU:C	5	1.3
(1,352)	1:54:B:THR:N	1:54:B:THR:CA	1:54:B:THR:C	1:55:B:VAL:N	6	1.28
(1,351)	1:54:A:THR:N	1:54:A:THR:CA	1:54:A:THR:C	1:55:A:VAL:N	6	1.28
(1,173)	1:75:C:THR:C	1:76:C:ALA:N	1:76:C:ALA:CA	1:76:C:ALA:C	10	1.24
(1,353)	1:54:C:THR:N	1:54:C:THR:CA	1:54:C:THR:C	1:55:C:VAL:N	6	1.23
(1,354)	1:54:D:THR:N	1:54:D:THR:CA	1:54:D:THR:C	1:55:D:VAL:N	6	1.22
(1,172)	1:75:B:THR:C	1:76:B:ALA:N	1:76:B:ALA:CA	1:76:B:ALA:C	10	1.22
(1,174)	1:75:D:THR:C	1:76:D:ALA:N	1:76:D:ALA:CA	1:76:D:ALA:C	10	1.21
(1,171)	1:75:A:THR:C	1:76:A:ALA:N	1:76:A:ALA:CA	1:76:A:ALA:C	10	1.21
(1,355)	1:54:E:THR:N	1:54:E:THR:CA	1:54:E:THR:C	1:55:E:VAL:N	6	1.2
(1,175)	1:75:E:THR:C	1:76:E:ALA:N	1:76:E:ALA:CA	1:76:E:ALA:C	10	1.2
(1,348)	1:53:C:ALA:N	1:53:C:ALA:CA	1:53:C:ALA:C	1:54:C:THR:N	6	1.17
(1,23)	1:40:C:VAL:C	1:41:C:GLY:N	1:41:C:GLY:CA	1:41:C:GLY:C	2	1.17
(1,350)	1:53:E:ALA:N	1:53:E:ALA:CA	1:53:E:ALA:C	1:54:E:THR:N	6	1.13
(1,346)	1:53:A:ALA:N	1:53:A:ALA:CA	1:53:A:ALA:C	1:54:A:THR:N	6	1.12
(1,143)	1:68:C:GLY:C	1:69:C:ALA:N	1:69:C:ALA:CA	1:69:C:ALA:C	8	1.12
(1,525)	1:92:E:THR:N	1:92:E:THR:CA	1:92:E:THR:C	1:93:E:GLY:N	9	1.11
(1,347)	1:53:B:ALA:N	1:53:B:ALA:CA	1:53:B:ALA:C	1:54:B:THR:N	6	1.11
(1,24)	1:40:D:VAL:C	1:41:D:GLY:N	1:41:D:GLY:CA	1:41:D:GLY:C	2	1.11
(1,349)	1:53:D:ALA:N	1:53:D:ALA:CA	1:53:D:ALA:C	1:54:D:THR:N	6	1.1
(1,144)	1:68:D:GLY:C	1:69:D:ALA:N	1:69:D:ALA:CA	1:69:D:ALA:C	8	1.1
(1,85)	1:54:E:THR:C	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	4	1.09
(1,84)	1:54:D:THR:C	1:55:D:VAL:N	1:55:D:VAL:CA	1:55:D:VAL:C	4	1.09
(1,21)	1:40:A:VAL:C	1:41:A:GLY:N	1:41:A:GLY:CA	1:41:A:GLY:C	2	1.09
(1,22)	1:40:B:VAL:C	1:41:B:GLY:N	1:41:B:GLY:CA	1:41:B:GLY:C	2	1.08
(1,25)	1:40:E:VAL:C	1:41:E:GLY:N	1:41:E:GLY:CA	1:41:E:GLY:C	2	1.07
(1,522)	1:92:B:THR:N	1:92:B:THR:CA	1:92:B:THR:C	1:93:B:GLY:N	9	1.05
(1,145)	1:68:E:GLY:C	1:69:E:ALA:N	1:69:E:ALA:CA	1:69:E:ALA:C	8	1.05
(1,142)	1:68:B:GLY:C	1:69:B:ALA:N	1:69:B:ALA:CA	1:69:B:ALA:C	8	1.05
(1,521)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLY:N	9	1.04
(1,141)	1:68:A:GLY:C	1:69:A:ALA:N	1:69:A:ALA:CA	1:69:A:ALA:C	8	1.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,81)	1:54:A:THR:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	4	1.03
(1,524)	1:92:D:THR:N	1:92:D:THR:CA	1:92:D:THR:C	1:93:D:GLY:N	9	1.02
(1,523)	1:92:C:THR:N	1:92:C:THR:CA	1:92:C:THR:C	1:93:C:GLY:N	9	1.02
(1,138)	1:65:C:ASN:C	1:66:C:VAL:N	1:66:C:VAL:CA	1:66:C:VAL:C	6	1.02
(1,137)	1:65:B:ASN:C	1:66:B:VAL:N	1:66:B:VAL:CA	1:66:B:VAL:C	6	1.02
(1,83)	1:54:C:THR:C	1:55:C:VAL:N	1:55:C:VAL:CA	1:55:C:VAL:C	9	1.02
(1,82)	1:54:B:THR:C	1:55:B:VAL:N	1:55:B:VAL:CA	1:55:B:VAL:C	9	1.02
(1,85)	1:54:E:THR:C	1:55:E:VAL:N	1:55:E:VAL:CA	1:55:E:VAL:C	9	1.01
(1,81)	1:54:A:THR:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	9	1.01
(1,46)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	2	1.01