



Full wwPDB NMR Structure Validation Report ⓘ

Mar 9, 2026 – 10:42 AM UTC

PDB ID : 3ZGP / pdb_00003zgp
BMRB ID : 18911
Title : NMR structure of the catalytic domain from E. faecium L,D- transpeptidase acylated by ertapenem
Authors : Lecoq, L.; Triboulet, S.; Dubee, V.; Bougault, C.; Hugonnet, J.E.; Arthur, M.; Simorre, J.P.
Deposited on : 2012-12-18

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4-5-2 with Phenix2.0
Mogul : 2022.3.0, CSD as543be (2022)
Buster-report : wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
wwPDB-ShiftChecker : v1.2
BMRB Restraints Analysis : v1.2
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

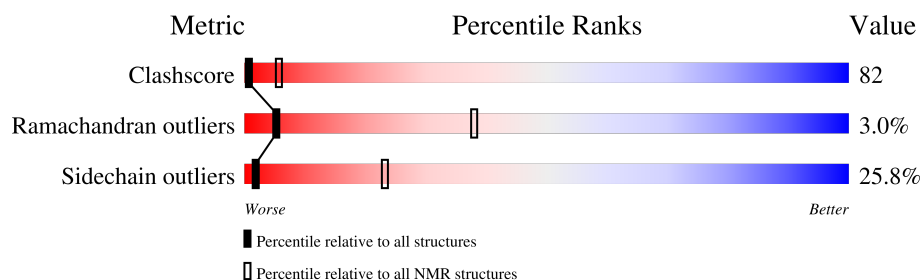
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 94%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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

Mol	Chain	Length	Quality of chain
1	A	129	19% 47% 18% 16%

2 Ensemble composition and analysis

This entry contains 20 models. Model 10 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:342-A:394, A:404-A:412, A:418-A:424, A:428-A:466 (108)	0.16	10

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

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

The models can be grouped into 1 clusters and 1 single-model cluster was found.

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

3 Entry composition [i](#)

There are 2 unique types of molecules in this entry. The entry contains 2040 atoms, of which 980 are hydrogens and 0 are deuteriums.

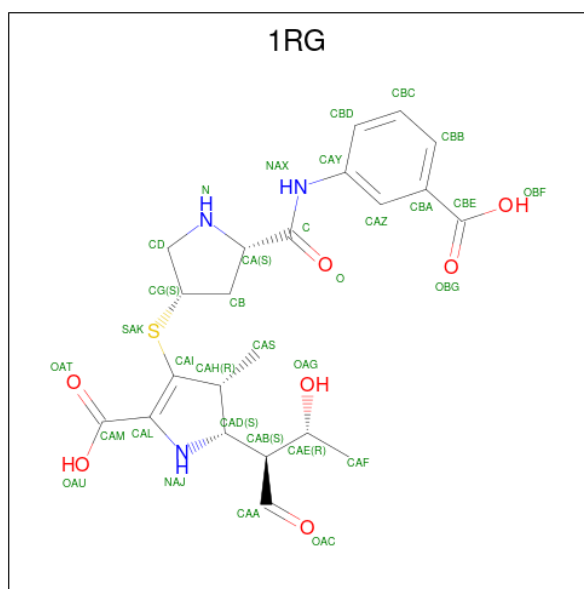
- Molecule 1 is a protein called ERFK/YBIS/YCFS/YNHG.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	129	1982	657	955	161	203	6	0

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	338	GLY	-	expression tag	UNP Q3Y185
A	339	HIS	-	expression tag	UNP Q3Y185
A	340	MET	-	expression tag	UNP Q3Y185

- Molecule 2 is (4R,5S)-3-({(3S,5S)-5-[(3-carboxyphenyl)carbamoyl]pyrrolidin-3-yl}sulfanyl)-5-[(1S,2R)-1-formyl-2-hydroxypropyl]-4-methyl-4,5-dihydro-1H-pyrrole-2-carboxylic acid (CCD ID: 1RG) (formula: C₂₂H₂₇N₃O₇S).



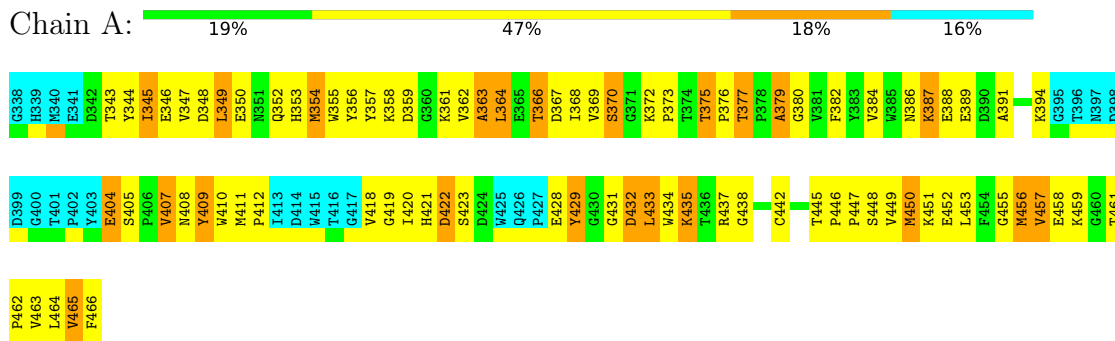
Mol	Chain	Residues	Atoms					
			Total	C	H	N	O	S
2	A	1	58	22	25	3	7	1

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: ERFK/YBIS/YCFS/YNHG

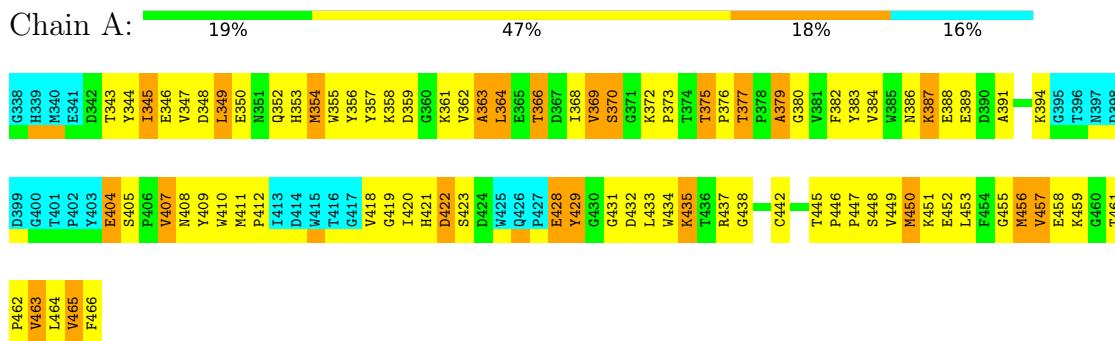


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

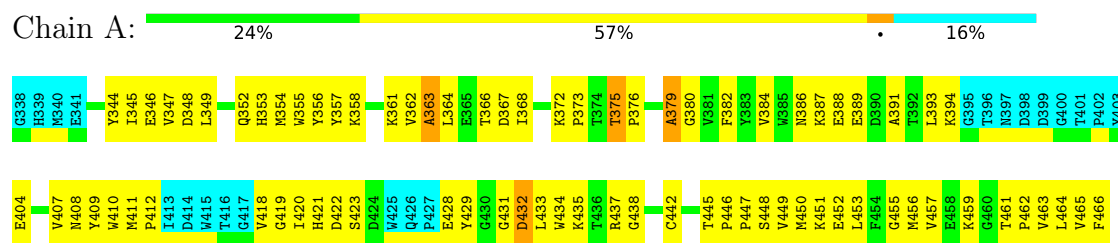
4.2.1 Score per residue for model 1

- Molecule 1: ERFK/YBIS/YCFS/YNHG



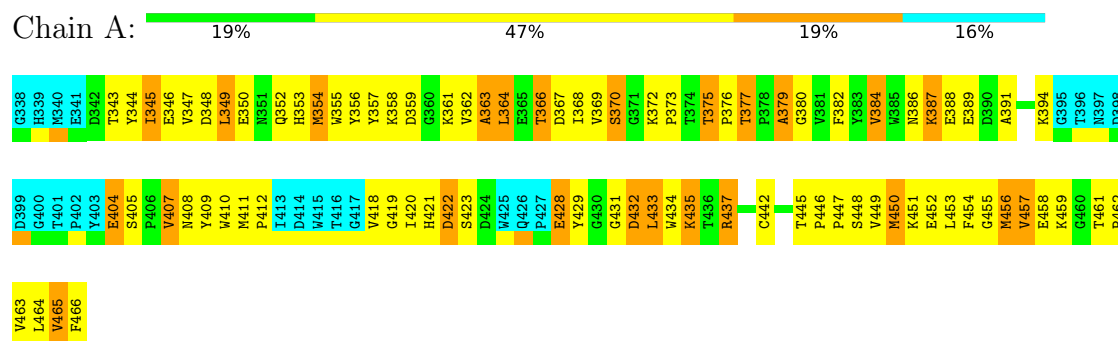
4.2.2 Score per residue for model 2

- Molecule 1: ERFK/YBIS/YCFS/YNHG



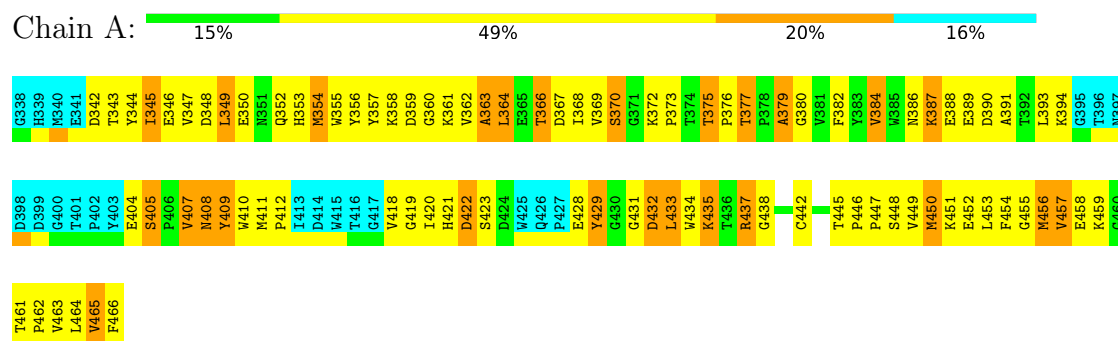
4.2.3 Score per residue for model 3

- Molecule 1: ERFK/YBIS/YCFS/YNHG



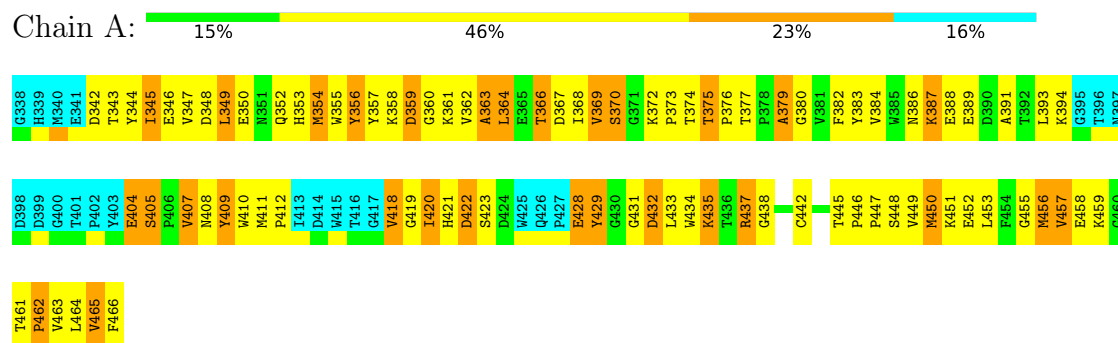
4.2.4 Score per residue for model 4

- Molecule 1: ERFK/YBIS/YCFS/YNHG



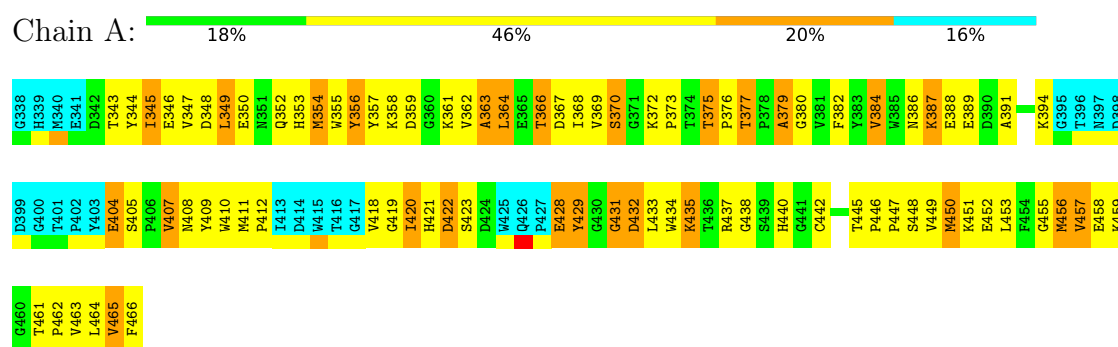
4.2.5 Score per residue for model 5

- Molecule 1: ERFK/YBIS/YCFS/YNHG



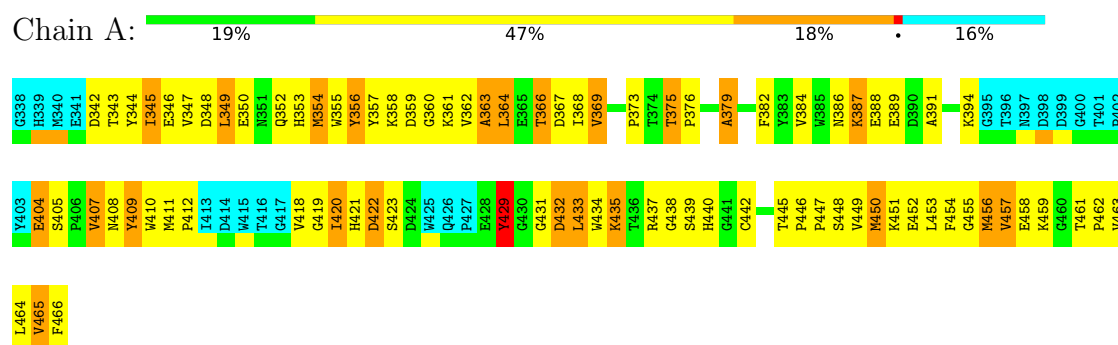
4.2.6 Score per residue for model 6

- Molecule 1: ERFK/YBIS/YCFS/YNHG



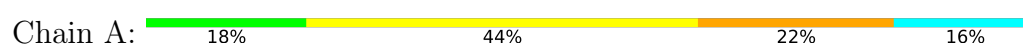
4.2.7 Score per residue for model 7

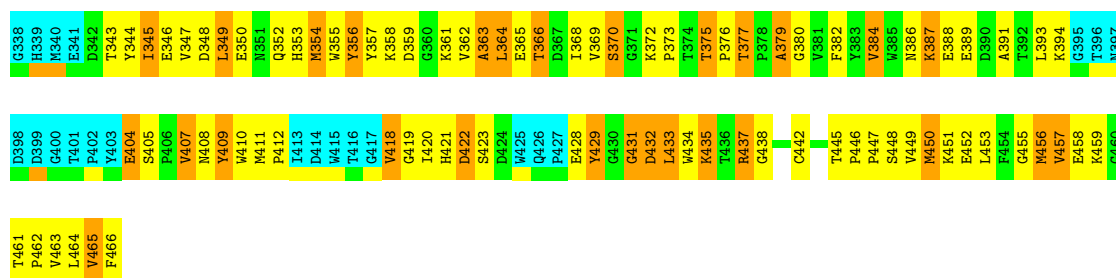
- Molecule 1: ERFK/YBIS/YCFS/YNHG



4.2.8 Score per residue for model 8

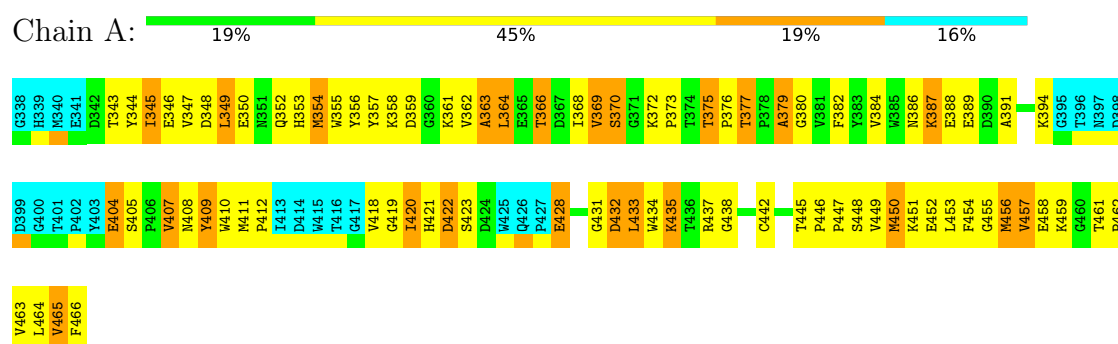
- Molecule 1: ERFK/YBIS/YCFS/YNHG





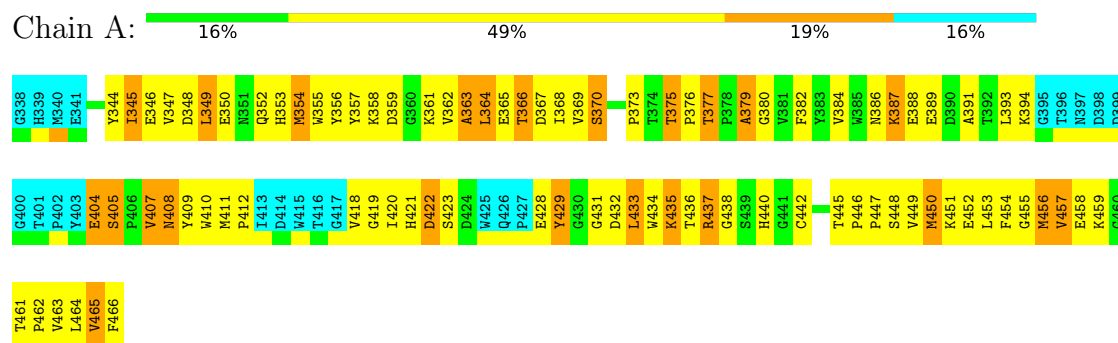
4.2.9 Score per residue for model 9

- Molecule 1: ERFK/YBIS/YCFS/YNHG



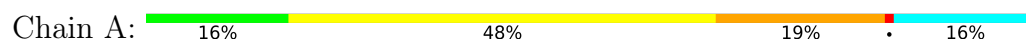
4.2.10 Score per residue for model 10 (medoid)

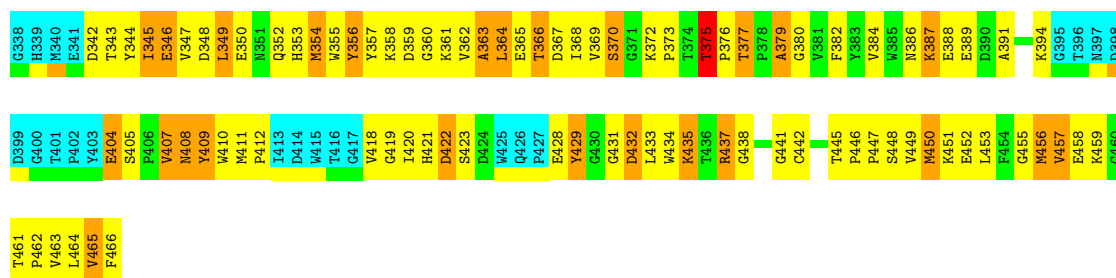
- Molecule 1: ERFK/YBIS/YCFS/YNHG



4.2.11 Score per residue for model 11

- Molecule 1: ERFK/YBIS/YCFS/YNHG





4.2.12 Score per residue for model 12

- Molecule 1: ERFK/YBIS/YCFS/YNHG

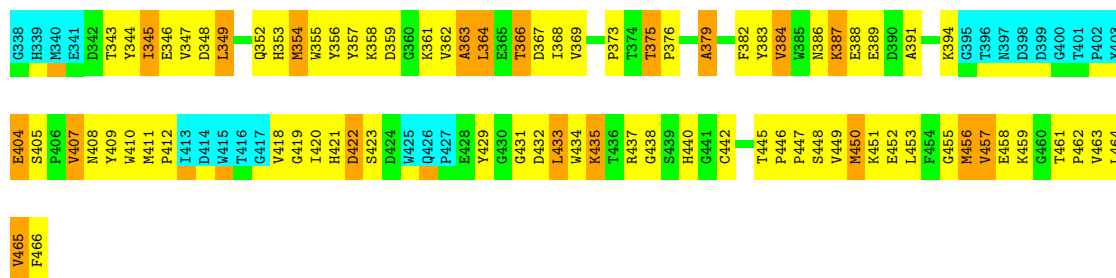
Chain A: 17% 47% 19% 16%



4.2.13 Score per residue for model 13

- Molecule 1: ERFK/YBIS/YCFS/YNHG

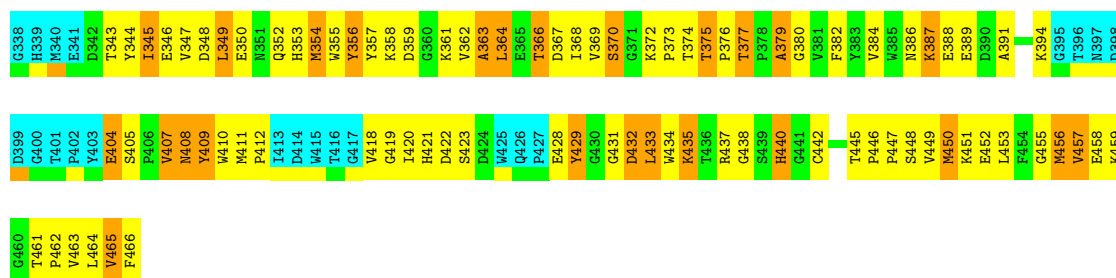
Chain A: 22% 47% 15% 16%



4.2.14 Score per residue for model 14

- Molecule 1: ERFK/YBIS/YCFS/YNHG

Chain A: 17% 47% 19% 16%



4.2.15 Score per residue for model 15

- Molecule 1: ERFK/YBIS/YCFS/YNHG

Chain A: 19% 47% 18% 16%



4.2.16 Score per residue for model 16

- Molecule 1: ERFK/YBIS/YCFS/YNHG

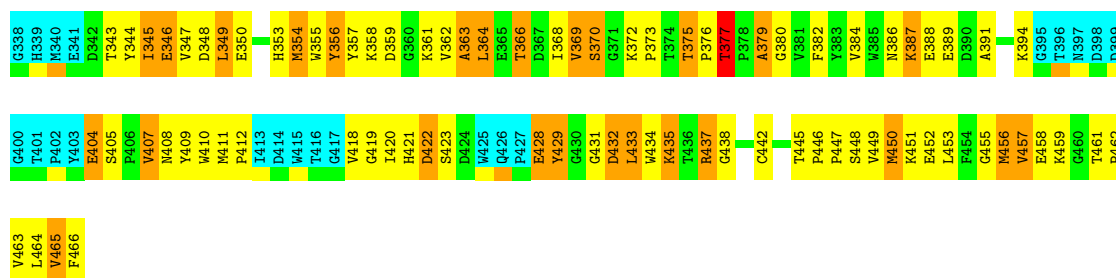
Chain A: 18% 47% 19% 16%



4.2.17 Score per residue for model 17

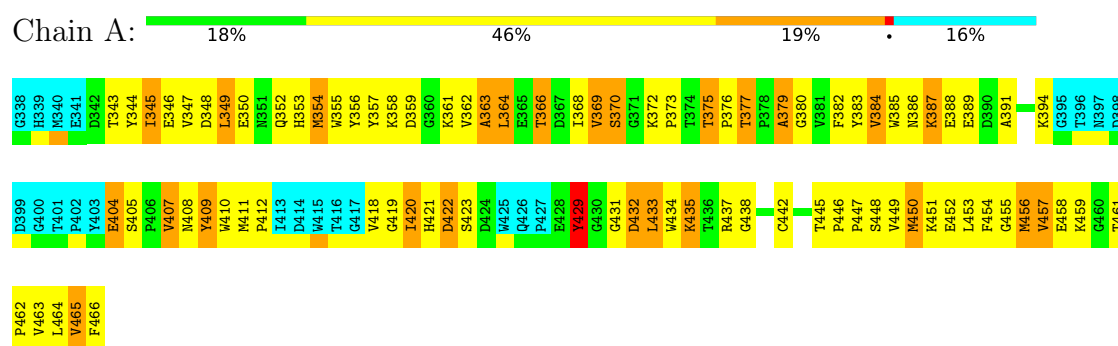
- Molecule 1: ERFK/YBIS/YCFS/YNHG

Chain A: 20% 43% 20% 16%



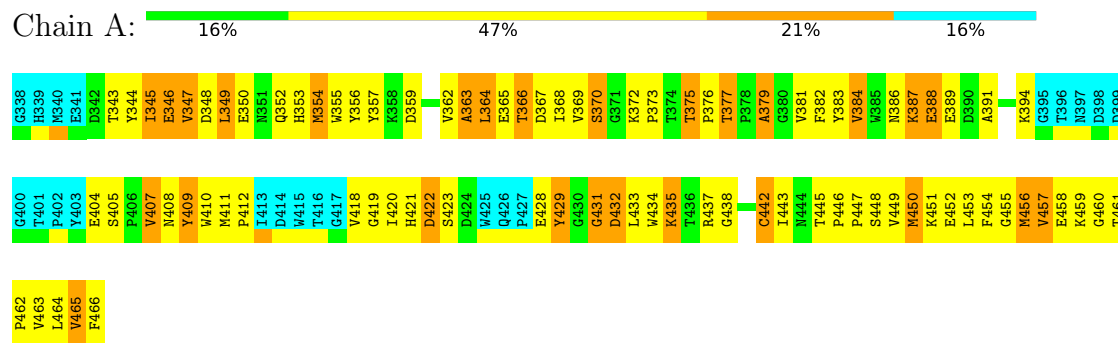
4.2.18 Score per residue for model 18

- Molecule 1: ERFK/YBIS/YCFS/YNHG



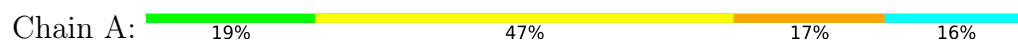
4.2.19 Score per residue for model 19

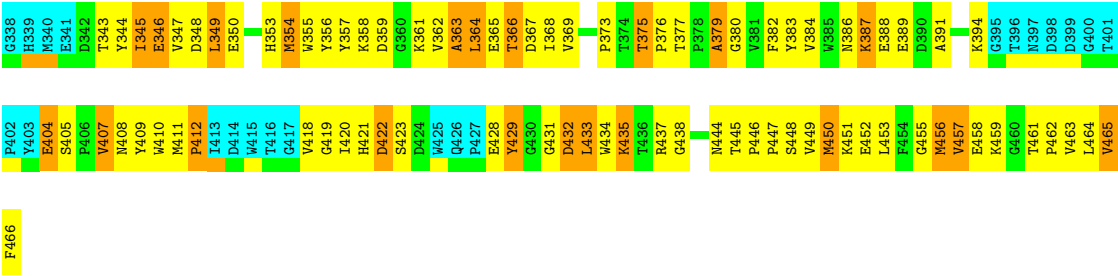
- Molecule 1: ERFK/YBIS/YCFS/YNHG



4.2.20 Score per residue for model 20

- Molecule 1: ERFK/YBIS/YCFS/YNHG





5 Refinement protocol and experimental data overview

The models were refined using the following method: *ARIA2.3*.

Of the 1700 calculated structures, 20 were deposited, based on the following criterion: *TOTAL ENERGY*.

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

Software name	Classification	Version
CNS	refinement	
UNIO	structure solution	10
TALOS	structure solution	
CcpNmr Analysis	structure solution	ANALYSIS

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1571
Number of shifts mapped to atoms	1571
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	94%

6 Model quality i

6.1 Standard geometry i

Bond lengths and bond angles in the following residue types are not validated in this section: 1RG

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	1.19±0.02	0±0/887 (0.0± 0.0%)	1.18±0.01	5±1/1209 (0.4± 0.1%)
All	All	1.19	4/17740 (0.0%)	1.18	95/24180 (0.4%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.9±0.8
All	All	0	18

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	429	TYR	C-N	-5.45	1.28	1.33	7	2
1	A	462	PRO	N-CA	-5.15	1.42	1.46	5	1
1	A	356	TYR	C-N	-5.01	1.27	1.33	6	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	375	THR	CA-C-N	6.68	126.66	119.78	15	20
1	A	375	THR	C-N-CA	6.68	126.66	119.78	15	20
1	A	363	ALA	N-CA-C	-6.30	106.12	113.88	4	20
1	A	372	LYS	CA-C-N	5.54	125.37	119.28	18	16
1	A	372	LYS	C-N-CA	5.54	125.37	119.28	18	16

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	347	VAL	CB-CA-C	-5.09	102.94	111.29	19	1
1	A	377	THR	CA-C-N	5.07	124.38	118.85	17	1
1	A	377	THR	C-N-CA	5.07	124.38	118.85	17	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	409	TYR	Sidechain	11
1	A	356	TYR	Sidechain	7

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	860	817	815	136±4
2	A	33	25	24	7±2
All	All	17860	16840	16780	2839

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 82.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:349:LEU:HD21	1:A:465:VAL:HG23	0.96	1.33	5	20
1:A:450:MET:SD	1:A:453:LEU:HD23	0.85	2.11	6	20
2:A:130:1RG:CAM	2:A:130:1RG:HBA	0.84	2.02	7	2
1:A:433:LEU:HD22	1:A:437:ARG:HD2	0.84	1.48	5	6
1:A:343:THR:CG2	1:A:356:TYR:OH	0.82	2.27	5	7
1:A:356:TYR:CB	1:A:456:MET:HE3	0.79	2.07	17	20
1:A:352:GLN:OE1	1:A:369:VAL:HA	0.76	1.81	18	4
1:A:391:ALA:HB3	1:A:407:VAL:HG12	0.76	1.56	4	20
1:A:379:ALA:HB1	1:A:466:PHE:HA	0.75	1.59	17	19
1:A:368:ILE:HG22	1:A:445:THR:HA	0.73	1.60	19	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:364:LEU:HD21	1:A:449:VAL:O	0.73	1.83	9	20
1:A:429:TYR:OH	1:A:447:PRO:HD3	0.72	1.85	14	18
1:A:349:LEU:HD22	1:A:349:LEU:H	0.71	1.44	12	20
2:A:130:1RG:HBA	2:A:130:1RG:OAU	0.71	1.86	2	4
1:A:344:TYR:CD2	1:A:464:LEU:HD13	0.70	2.21	19	20
1:A:446:PRO:O	1:A:449:VAL:HG22	0.70	1.86	14	16
1:A:364:LEU:HD13	1:A:456:MET:HE1	0.69	1.64	19	20
1:A:389:GLU:HA	1:A:408:ASN:O	0.69	1.88	7	20
1:A:346:GLU:CD	1:A:466:PHE:HE1	0.69	1.95	6	3
1:A:346:GLU:CD	1:A:466:PHE:CE1	0.69	2.71	17	7
1:A:388:GLU:O	1:A:409:TYR:HA	0.68	1.89	15	20
2:A:130:1RG:O	2:A:130:1RG:HBD	0.68	1.88	20	20
1:A:375:THR:OG1	2:A:130:1RG:HA	0.68	1.89	12	2
1:A:386:ASN:O	1:A:412:PRO:HD2	0.67	1.89	5	20
1:A:422:ASP:OD1	1:A:450:MET:HB2	0.67	1.90	14	1
1:A:442:CYS:HB3	2:A:130:1RG:HASB	0.66	1.64	10	18
1:A:382:PHE:HB2	1:A:463:VAL:CG2	0.66	2.21	13	19
1:A:420:ILE:HG22	1:A:450:MET:SD	0.66	2.31	14	20
1:A:433:LEU:HG	1:A:437:ARG:HD2	0.65	1.68	20	13
1:A:434:TRP:CH2	1:A:435:LYS:HE3	0.65	2.26	17	20
1:A:375:THR:HG21	2:A:130:1RG:NAX	0.64	2.07	7	2
1:A:347:VAL:HG23	1:A:464:LEU:O	0.63	1.93	18	19
1:A:433:LEU:HG	1:A:437:ARG:CD	0.63	2.23	9	14
1:A:407:VAL:HG22	1:A:422:ASP:O	0.63	1.93	14	20
1:A:379:ALA:HA	1:A:465:VAL:HG22	0.63	1.69	7	20
2:A:130:1RG:HD	2:A:130:1RG:OAU	0.63	1.93	17	6
1:A:422:ASP:CG	1:A:450:MET:HB2	0.63	2.18	14	1
1:A:364:LEU:HD22	1:A:456:MET:CE	0.62	2.24	7	20
1:A:354:MET:HB3	1:A:366:THR:HG22	0.62	1.71	19	20
1:A:453:LEU:O	1:A:457:VAL:HG13	0.62	1.95	7	20
1:A:445:THR:HG22	1:A:449:VAL:CG2	0.61	2.24	14	20
1:A:356:TYR:HB2	1:A:453:LEU:CD1	0.61	2.25	16	20
1:A:387:LYS:HA	1:A:411:MET:SD	0.61	2.36	6	20
1:A:347:VAL:HG22	1:A:354:MET:HG3	0.61	1.72	19	20
1:A:382:PHE:HB2	1:A:463:VAL:HG12	0.60	1.73	1	1
1:A:367:ASP:OD2	1:A:429:TYR:HB2	0.60	1.96	5	10
2:A:130:1RG:CAM	2:A:130:1RG:CB	0.60	2.79	4	1
1:A:387:LYS:HB3	1:A:411:MET:SD	0.60	2.36	7	13
1:A:349:LEU:O	1:A:352:GLN:HG3	0.60	1.97	3	1
2:A:130:1RG:NAJ	2:A:130:1RG:OAC	0.60	2.35	8	19
1:A:382:PHE:CE2	1:A:418:VAL:HG11	0.60	2.32	19	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:347:VAL:HB	1:A:465:VAL:HB	0.59	1.74	11	20
1:A:356:TYR:CG	1:A:456:MET:HE3	0.59	2.32	3	20
1:A:355:TRP:CD1	1:A:362:VAL:HG11	0.59	2.32	19	20
1:A:354:MET:SD	1:A:445:THR:HG21	0.59	2.38	19	20
1:A:346:GLU:CD	1:A:464:LEU:HB2	0.58	2.24	6	1
1:A:356:TYR:CD1	1:A:453:LEU:CD1	0.58	2.86	18	20
1:A:388:GLU:HB2	1:A:410:TRP:HB3	0.58	1.76	8	20
1:A:434:TRP:CZ2	1:A:435:LYS:HE3	0.58	2.33	9	20
1:A:388:GLU:HB3	1:A:391:ALA:HB2	0.58	1.76	16	19
1:A:352:GLN:HB3	1:A:368:ILE:O	0.58	1.98	13	14
1:A:366:THR:OG1	1:A:446:PRO:HG2	0.57	2.00	1	20
1:A:346:GLU:OE1	1:A:347:VAL:N	0.57	2.37	12	6
1:A:393:LEU:HD11	1:A:407:VAL:HG21	0.57	1.75	10	1
1:A:347:VAL:HG22	1:A:354:MET:CG	0.57	2.30	19	20
1:A:349:LEU:HD13	1:A:349:LEU:N	0.57	2.15	19	20
1:A:349:LEU:HD21	1:A:465:VAL:CG2	0.57	2.24	19	1
1:A:352:GLN:OE1	1:A:368:ILE:HD12	0.56	2.00	16	2
1:A:389:GLU:HG2	1:A:409:TYR:CE2	0.56	2.35	10	8
1:A:346:GLU:OE1	1:A:466:PHE:CE1	0.56	2.58	17	7
1:A:345:ILE:HD11	1:A:457:VAL:HG11	0.56	1.75	6	20
1:A:379:ALA:HB1	1:A:466:PHE:CA	0.56	2.30	17	18
1:A:428:GLU:HG3	1:A:437:ARG:CD	0.56	2.31	12	16
1:A:434:TRP:CE2	1:A:435:LYS:HG2	0.56	2.36	15	20
1:A:388:GLU:CB	1:A:410:TRP:HB3	0.55	2.30	19	20
1:A:434:TRP:O	1:A:438:GLY:HA2	0.55	2.00	5	19
1:A:356:TYR:CE1	1:A:457:VAL:HG12	0.55	2.36	1	13
1:A:453:LEU:HA	1:A:456:MET:HE2	0.55	1.78	17	20
1:A:356:TYR:HD2	1:A:363:ALA:HB3	0.55	1.60	5	20
1:A:386:ASN:HA	1:A:459:LYS:CG	0.55	2.31	12	9
2:A:130:1RG:HBA	2:A:130:1RG:CAM	0.55	2.31	2	2
1:A:433:LEU:HG	1:A:437:ARG:HD3	0.55	1.77	9	1
1:A:418:VAL:HG12	1:A:419:GLY:N	0.55	2.17	18	18
1:A:346:GLU:CD	1:A:347:VAL:N	0.55	2.64	19	6
1:A:345:ILE:HD13	1:A:345:ILE:N	0.54	2.17	1	20
1:A:422:ASP:HB2	1:A:447:PRO:HA	0.54	1.79	19	19
1:A:393:LEU:HG	1:A:405:SER:O	0.54	2.02	10	1
1:A:370:SER:OG	1:A:377:THR:HG21	0.54	2.03	14	15
1:A:347:VAL:HB	1:A:465:VAL:HA	0.54	1.80	18	14
1:A:366:THR:HG21	1:A:446:PRO:HD2	0.53	1.81	19	20
1:A:347:VAL:O	1:A:465:VAL:HA	0.53	2.02	19	3
1:A:352:GLN:NE2	1:A:434:TRP:CD1	0.53	2.76	16	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:409:TYR:CD2	1:A:451:LYS:HA	0.53	2.39	7	11
2:A:130:1RG:CB	2:A:130:1RG:CAL	0.53	2.86	4	1
1:A:373:PRO:HG3	1:A:434:TRP:CZ3	0.53	2.39	1	20
2:A:130:1RG:SAK	2:A:130:1RG:OAU	0.53	2.66	20	9
1:A:346:GLU:HG3	1:A:466:PHE:CE1	0.53	2.39	10	13
1:A:373:PRO:HD3	1:A:435:LYS:HA	0.53	1.80	10	20
2:A:130:1RG:O	2:A:130:1RG:CBD	0.53	2.57	17	19
1:A:345:ILE:HD12	1:A:453:LEU:HD11	0.53	1.81	9	20
1:A:345:ILE:CG2	1:A:453:LEU:HD21	0.53	2.34	19	20
1:A:353:HIS:NE2	1:A:365:GLU:HG2	0.53	2.18	16	7
1:A:441:GLY:HA3	2:A:130:1RG:SAK	0.53	2.43	11	1
2:A:130:1RG:HBA	2:A:130:1RG:CAL	0.52	2.33	7	1
1:A:387:LYS:HD3	1:A:387:LYS:H	0.52	1.64	6	15
1:A:389:GLU:HG2	1:A:409:TYR:CE1	0.52	2.40	6	1
1:A:382:PHE:HB2	1:A:463:VAL:HG22	0.52	1.82	6	19
1:A:383:TYR:HD2	1:A:385:TRP:CD1	0.52	2.22	18	1
1:A:379:ALA:CB	1:A:466:PHE:HA	0.52	2.34	17	12
1:A:375:THR:HB	2:A:130:1RG:CAZ	0.52	2.34	11	1
1:A:356:TYR:CD2	1:A:363:ALA:HB3	0.52	2.39	18	20
1:A:366:THR:OG1	1:A:449:VAL:HG11	0.52	2.05	14	20
1:A:448:SER:O	1:A:451:LYS:HG2	0.52	2.04	2	14
1:A:440:HIS:HB2	2:A:130:1RG:OAC	0.52	2.05	14	2
1:A:433:LEU:CA	1:A:437:ARG:HG3	0.52	2.35	3	3
1:A:366:THR:HG21	1:A:445:THR:HG23	0.51	1.83	16	20
1:A:343:THR:HG21	1:A:356:TYR:OH	0.51	2.03	16	7
1:A:375:THR:OG1	2:A:130:1RG:N	0.51	2.43	4	1
1:A:437:ARG:HB3	1:A:437:ARG:CZ	0.51	2.35	7	1
1:A:349:LEU:HD11	1:A:465:VAL:HB	0.51	1.81	19	12
1:A:356:TYR:HB3	1:A:456:MET:HE3	0.51	1.83	17	11
1:A:344:TYR:HA	1:A:461:THR:HG23	0.51	1.83	18	20
1:A:352:GLN:OE1	1:A:432:ASP:HA	0.50	2.06	3	1
1:A:433:LEU:CD2	1:A:437:ARG:HD2	0.50	2.31	11	6
1:A:347:VAL:HG12	1:A:348:ASP:N	0.50	2.21	7	19
1:A:408:ASN:N	1:A:408:ASN:HD22	0.50	2.05	14	4
1:A:356:TYR:HD2	1:A:363:ALA:CB	0.50	2.20	18	20
1:A:432:ASP:HB2	1:A:435:LYS:CD	0.50	2.37	3	15
1:A:453:LEU:C	1:A:455:GLY:N	0.50	2.70	8	20
1:A:433:LEU:HB3	1:A:437:ARG:HG3	0.49	1.83	5	2
1:A:386:ASN:HA	1:A:459:LYS:HG3	0.49	1.84	7	13
1:A:343:THR:HG23	1:A:357:TYR:O	0.49	2.07	19	12
1:A:433:LEU:CG	1:A:437:ARG:HD2	0.49	2.35	2	12

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:356:TYR:CD1	1:A:453:LEU:HD11	0.49	2.42	18	20
1:A:410:TRP:CE3	1:A:421:HIS:HB3	0.49	2.42	5	20
1:A:453:LEU:CA	1:A:456:MET:HE2	0.49	2.36	9	20
1:A:440:HIS:HB3	2:A:130:1RG:HNAJ	0.49	1.68	12	3
2:A:130:1RG:OAC	2:A:130:1RG:CAL	0.49	2.61	19	1
1:A:364:LEU:HD21	1:A:449:VAL:C	0.49	2.33	5	20
1:A:375:THR:N	1:A:376:PRO:HD3	0.49	2.23	1	20
1:A:410:TRP:HE3	1:A:421:HIS:HB3	0.49	1.68	11	20
1:A:387:LYS:H	1:A:387:LYS:CD	0.49	2.21	16	14
1:A:345:ILE:HD11	1:A:457:VAL:CG1	0.48	2.38	13	18
1:A:451:LYS:HG3	1:A:452:GLU:N	0.48	2.23	20	20
1:A:356:TYR:O	1:A:362:VAL:HB	0.48	2.08	18	13
1:A:449:VAL:HG23	1:A:450:MET:N	0.48	2.23	7	20
2:A:130:1RG:OAU	2:A:130:1RG:SAK	0.48	2.72	7	9
1:A:357:TYR:CD1	1:A:362:VAL:HG12	0.48	2.44	19	20
1:A:386:ASN:ND2	1:A:388:GLU:HG2	0.48	2.24	12	11
2:A:130:1RG:O	2:A:130:1RG:HD	0.48	2.08	11	1
1:A:347:VAL:O	1:A:466:PHE:N	0.48	2.45	16	17
1:A:407:VAL:CG1	1:A:410:TRP:HB2	0.48	2.39	11	19
1:A:450:MET:HA	1:A:453:LEU:HB2	0.48	1.85	14	20
1:A:457:VAL:HB	1:A:461:THR:HG21	0.48	1.86	8	20
1:A:433:LEU:CD1	1:A:437:ARG:HD2	0.48	2.39	3	7
1:A:387:LYS:HB2	1:A:454:PHE:CD2	0.48	2.43	19	7
1:A:419:GLY:O	1:A:442:CYS:HB2	0.48	2.08	19	4
1:A:345:ILE:CD1	1:A:457:VAL:HG11	0.48	2.39	12	20
1:A:356:TYR:HB2	1:A:453:LEU:HD13	0.48	1.83	17	20
1:A:394:LYS:HG2	1:A:404:GLU:CG	0.48	2.39	15	20
1:A:349:LEU:HD22	1:A:349:LEU:N	0.47	2.21	12	19
1:A:348:ASP:HA	1:A:466:PHE:C	0.47	2.33	5	10
1:A:383:TYR:OH	1:A:460:GLY:HA2	0.47	2.09	19	1
1:A:358:LYS:O	1:A:361:LYS:HG2	0.47	2.09	13	17
1:A:407:VAL:HG11	1:A:410:TRP:HB2	0.47	1.85	8	19
1:A:367:ASP:OD2	1:A:430:GLY:HA2	0.47	2.09	16	1
1:A:346:GLU:OE1	1:A:464:LEU:CB	0.47	2.61	6	1
1:A:346:GLU:O	1:A:355:TRP:N	0.47	2.47	1	17
1:A:448:SER:O	1:A:451:LYS:HE3	0.47	2.09	8	11
1:A:384:VAL:HG23	1:A:386:ASN:O	0.47	2.08	20	15
1:A:450:MET:O	1:A:450:MET:HE3	0.47	2.09	1	17
1:A:352:GLN:HE22	1:A:432:ASP:CA	0.47	2.23	3	1
1:A:422:ASP:HA	1:A:445:THR:O	0.47	2.09	2	1
1:A:356:TYR:CE2	1:A:456:MET:HB2	0.46	2.46	20	13

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:423:SER:N	1:A:445:THR:O	0.46	2.48	19	20
1:A:393:LEU:N	1:A:393:LEU:HD23	0.46	2.26	10	1
1:A:464:LEU:HB3	1:A:466:PHE:CE1	0.46	2.45	5	12
1:A:409:TYR:CD1	1:A:451:LYS:HA	0.46	2.46	18	5
1:A:366:THR:HG21	1:A:445:THR:CG2	0.46	2.40	1	13
1:A:382:PHE:HB2	1:A:463:VAL:CG1	0.46	2.39	1	1
1:A:388:GLU:HB2	1:A:410:TRP:O	0.46	2.09	14	15
1:A:369:VAL:HB	1:A:433:LEU:HB2	0.46	1.87	7	6
1:A:386:ASN:HA	1:A:459:LYS:HG2	0.46	1.87	11	6
1:A:418:VAL:HG22	1:A:419:GLY:N	0.46	2.26	11	1
1:A:433:LEU:HD12	1:A:437:ARG:HD2	0.46	1.88	18	2
1:A:432:ASP:HB3	1:A:435:LYS:CD	0.46	2.41	19	1
1:A:345:ILE:CG1	1:A:463:VAL:HG12	0.46	2.41	20	14
1:A:394:LYS:HG2	1:A:404:GLU:HG3	0.46	1.86	15	3
1:A:356:TYR:HD1	1:A:453:LEU:HD11	0.46	1.71	6	20
1:A:380:GLY:N	1:A:465:VAL:O	0.45	2.48	17	17
1:A:451:LYS:CG	1:A:452:GLU:N	0.45	2.78	20	20
1:A:354:MET:HB2	1:A:368:ILE:CG2	0.45	2.41	16	12
1:A:346:GLU:O	1:A:354:MET:HG2	0.45	2.10	19	1
1:A:382:PHE:CD2	1:A:418:VAL:HG11	0.45	2.46	19	1
1:A:421:HIS:O	1:A:445:THR:HB	0.45	2.12	6	6
1:A:458:GLU:HG3	1:A:461:THR:OG1	0.45	2.11	16	1
2:A:130:1RG:OAU	2:A:130:1RG:HD	0.45	2.10	18	2
1:A:349:LEU:O	1:A:352:GLN:HG2	0.45	2.11	1	3
1:A:418:VAL:CG2	1:A:419:GLY:N	0.45	2.80	11	1
1:A:344:TYR:CB	1:A:462:PRO:HD2	0.45	2.41	18	18
1:A:410:TRP:CH2	1:A:419:GLY:HA3	0.45	2.46	1	4
1:A:347:VAL:HB	1:A:465:VAL:CB	0.45	2.41	6	19
1:A:366:THR:CG2	1:A:446:PRO:HD2	0.45	2.41	7	20
1:A:433:LEU:O	1:A:437:ARG:HG3	0.45	2.12	1	5
1:A:410:TRP:CD1	1:A:412:PRO:HD3	0.45	2.46	5	1
1:A:422:ASP:CG	1:A:447:PRO:HA	0.45	2.36	14	1
1:A:366:THR:HG21	1:A:449:VAL:HG21	0.45	1.89	20	18
1:A:411:MET:HE3	1:A:453:LEU:HG	0.44	1.88	5	1
1:A:346:GLU:OE2	1:A:466:PHE:HE1	0.44	1.93	6	1
1:A:356:TYR:CD1	1:A:453:LEU:HD12	0.44	2.47	13	13
1:A:449:VAL:O	1:A:452:GLU:HB2	0.44	2.12	4	20
1:A:387:LYS:H	1:A:387:LYS:HD3	0.44	1.72	19	1
1:A:344:TYR:O	1:A:357:TYR:N	0.44	2.51	15	19
1:A:353:HIS:CD2	1:A:355:TRP:CE2	0.44	3.06	8	17
1:A:387:LYS:HD2	1:A:387:LYS:H	0.44	1.72	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:352:GLN:NE2	1:A:432:ASP:HA	0.44	2.27	3	1
1:A:389:GLU:HG3	1:A:454:PHE:CE2	0.44	2.47	19	1
1:A:346:GLU:OE1	1:A:464:LEU:HB2	0.44	2.13	6	1
1:A:393:LEU:HD21	1:A:421:HIS:CG	0.44	2.47	15	3
1:A:343:THR:HA	1:A:357:TYR:O	0.44	2.13	6	5
1:A:352:GLN:OE1	1:A:431:GLY:HA2	0.44	2.12	15	2
1:A:348:ASP:HA	1:A:466:PHE:OXT	0.44	2.13	15	1
1:A:348:ASP:HB2	1:A:355:TRP:CZ3	0.43	2.48	19	10
1:A:418:VAL:CG1	1:A:419:GLY:N	0.43	2.82	18	15
1:A:442:CYS:HB3	2:A:130:1RG:CAS	0.43	2.43	11	1
1:A:384:VAL:HG21	1:A:411:MET:SD	0.43	2.54	11	9
1:A:344:TYR:HB3	1:A:462:PRO:HD2	0.43	1.91	18	1
1:A:356:TYR:CD2	1:A:456:MET:HG3	0.43	2.49	19	5
1:A:353:HIS:HD2	1:A:355:TRP:CE2	0.43	2.31	12	15
1:A:384:VAL:HG12	1:A:463:VAL:HG23	0.43	1.90	1	1
1:A:354:MET:HE2	1:A:366:THR:HG22	0.43	1.91	16	3
1:A:364:LEU:HD22	1:A:456:MET:HE1	0.43	1.88	7	12
1:A:354:MET:SD	1:A:445:THR:CG2	0.43	3.06	19	13
1:A:350:GLU:HG3	1:A:466:PHE:OXT	0.43	2.13	19	1
1:A:349:LEU:HD22	1:A:466:PHE:OXT	0.43	2.13	15	1
1:A:428:GLU:HG3	1:A:437:ARG:HD3	0.42	1.91	20	2
1:A:352:GLN:HE22	1:A:432:ASP:HA	0.42	1.74	3	1
1:A:345:ILE:HD13	1:A:356:TYR:CD1	0.42	2.49	5	2
1:A:354:MET:HB2	1:A:368:ILE:HG21	0.42	1.90	18	5
1:A:347:VAL:O	1:A:465:VAL:CA	0.42	2.67	19	1
1:A:382:PHE:N	1:A:463:VAL:O	0.42	2.47	1	1
1:A:453:LEU:HA	1:A:453:LEU:HD12	0.42	1.62	19	16
1:A:358:LYS:O	1:A:361:LYS:CG	0.42	2.68	10	10
1:A:373:PRO:O	1:A:376:PRO:HG3	0.42	2.15	13	2
1:A:346:GLU:OE1	1:A:466:PHE:HE1	0.42	1.93	6	1
1:A:453:LEU:N	1:A:456:MET:HE2	0.42	2.30	2	14
1:A:443:ILE:HD12	1:A:443:ILE:N	0.42	2.30	19	1
1:A:345:ILE:HG21	1:A:453:LEU:HD21	0.42	1.91	19	1
2:A:130:1RG:HAFA	2:A:130:1RG:HAD	0.42	1.81	1	10
1:A:345:ILE:HG22	1:A:355:TRP:O	0.42	2.15	5	5
1:A:437:ARG:HB3	1:A:437:ARG:NH1	0.42	2.29	7	1
1:A:428:GLU:HG3	1:A:433:LEU:HG	0.42	1.90	9	1
1:A:389:GLU:O	1:A:390:ASP:C	0.42	2.63	4	1
1:A:358:LYS:N	1:A:361:LYS:O	0.42	2.53	20	2
1:A:382:PHE:C	1:A:463:VAL:HG22	0.42	2.40	18	1
1:A:446:PRO:HA	1:A:447:PRO:HD3	0.42	1.79	5	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:367:ASP:CG	1:A:429:TYR:HB2	0.42	2.40	6	1
1:A:431:GLY:O	1:A:433:LEU:HG	0.42	2.14	6	2
1:A:343:THR:HG23	1:A:356:TYR:OH	0.42	2.14	7	1
1:A:434:TRP:CD2	1:A:435:LYS:HG2	0.42	2.50	20	4
2:A:130:1RG:OAC	2:A:130:1RG:NAJ	0.42	2.51	19	1
1:A:347:VAL:N	1:A:464:LEU:O	0.41	2.53	4	6
1:A:344:TYR:CE2	1:A:346:GLU:HB2	0.41	2.49	1	1
1:A:346:GLU:HB3	1:A:355:TRP:HB2	0.41	1.91	6	1
1:A:367:ASP:O	1:A:429:TYR:HB3	0.41	2.16	13	1
1:A:352:GLN:CD	1:A:434:TRP:HD1	0.41	2.24	18	2
1:A:344:TYR:CD2	1:A:464:LEU:CD1	0.41	3.03	6	1
2:A:130:1RG:O	2:A:130:1RG:CD	0.41	2.68	11	1
1:A:394:LYS:HE2	1:A:404:GLU:HG2	0.41	1.92	17	1
1:A:381:VAL:O	1:A:381:VAL:HG13	0.41	2.16	19	1
1:A:345:ILE:HG12	1:A:463:VAL:HG12	0.41	1.92	8	3
1:A:342:ASP:HB3	1:A:360:GLY:CA	0.41	2.45	11	3
1:A:374:THR:C	1:A:376:PRO:HD3	0.41	2.40	14	2
1:A:367:ASP:OD1	1:A:367:ASP:N	0.41	2.53	13	1
1:A:432:ASP:HB3	1:A:435:LYS:HD2	0.41	1.92	1	1
1:A:349:LEU:H	1:A:349:LEU:CD2	0.41	2.26	4	1
1:A:393:LEU:HB2	1:A:405:SER:HB2	0.41	1.92	4	3
2:A:130:1RG:CAL	2:A:130:1RG:HB	0.41	2.46	4	1
1:A:432:ASP:HB2	1:A:435:LYS:HD2	0.41	1.93	6	1
1:A:377:THR:CG2	1:A:465:VAL:HG21	0.41	2.46	20	1
1:A:342:ASP:HB3	1:A:360:GLY:N	0.41	2.31	5	1
1:A:448:SER:O	1:A:451:LYS:HE2	0.41	2.15	11	1
1:A:345:ILE:N	1:A:345:ILE:CD1	0.40	2.82	19	4
1:A:420:ILE:HD13	1:A:463:VAL:CG1	0.40	2.46	1	1
1:A:358:LYS:O	1:A:359:ASP:HB2	0.40	2.16	5	1
1:A:382:PHE:CE2	1:A:418:VAL:HG21	0.40	2.52	15	1
1:A:384:VAL:HG13	1:A:461:THR:O	0.40	2.17	18	1
1:A:433:LEU:CB	1:A:437:ARG:HG3	0.40	2.46	3	1
1:A:440:HIS:HB3	2:A:130:1RG:OAC	0.40	2.16	6	1
1:A:354:MET:HB2	1:A:368:ILE:HG12	0.40	1.93	1	1
1:A:352:GLN:HE22	1:A:432:ASP:N	0.40	2.15	3	1
1:A:384:VAL:HB	1:A:411:MET:HB3	0.40	1.93	19	1

6.3 Torsion angles

6.3.1 Protein backbone

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	107/129 (83%)	87±1 (81±1%)	17±1 (16±1%)	3±1 (3±0%)	5	38
All	All	2140/2580 (83%)	1741 (81%)	335 (16%)	64 (3%)	5	38

All 6 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	379	ALA	20
1	A	431	GLY	20
1	A	432	ASP	19
1	A	418	VAL	2
1	A	440	HIS	2
1	A	412	PRO	1

6.3.2 Protein sidechains

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	95/112 (85%)	67±15 (71±16%)	23±6 (24±6%)	2	25
All	All	1805/2240 (81%)	1340 (74%)	465 (26%)	2	23

All 38 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	345	ILE	19
1	A	349	LEU	19
1	A	354	MET	19
1	A	359	ASP	19

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Mol	Chain	Res	Type	Models (Total)
1	A	364	LEU	19
1	A	366	THR	19
1	A	369	VAL	19
1	A	387	LYS	19
1	A	405	SER	19
1	A	407	VAL	19
1	A	435	LYS	19
1	A	450	MET	19
1	A	456	MET	19
1	A	457	VAL	19
1	A	458	GLU	19
1	A	465	VAL	19
1	A	422	ASP	18
1	A	350	GLU	17
1	A	404	GLU	16
1	A	370	SER	15
1	A	429	TYR	15
1	A	377	THR	14
1	A	433	LEU	13
1	A	384	VAL	11
1	A	437	ARG	8
1	A	420	ILE	7
1	A	428	GLU	6
1	A	346	GLU	6
1	A	408	ASN	4
1	A	367	ASP	2
1	A	375	THR	2
1	A	463	VAL	1
1	A	439	SER	1
1	A	436	THR	1
1	A	368	ILE	1
1	A	388	GLU	1
1	A	442	CYS	1
1	A	444	ASN	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

1 ligand is modelled in this entry.

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

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
2	1RG	A	130	1	30,35,35	2.45±0.04	7±0 (22±1%)

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

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
2	1RG	A	130	1	31,50,50	1.68±0.08	7±1 (22±2%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	1RG	A	130	1	-	0±0,27,55,55	0±0,3,3,3

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
2	A	130	1RG	CAL-CAM	9.40	1.34	1.48	11	20
2	A	130	1RG	CAH-CAI	5.33	1.38	1.52	18	20
2	A	130	1RG	CBA-CBE	4.81	1.39	1.49	12	20
2	A	130	1RG	CAB-CAA	4.66	1.57	1.50	7	20
2	A	130	1RG	CG-SAK	3.78	1.77	1.82	13	20
2	A	130	1RG	CAY-NAX	2.83	1.35	1.41	6	20
2	A	130	1RG	OAU-CAM	2.28	1.24	1.30	2	13

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

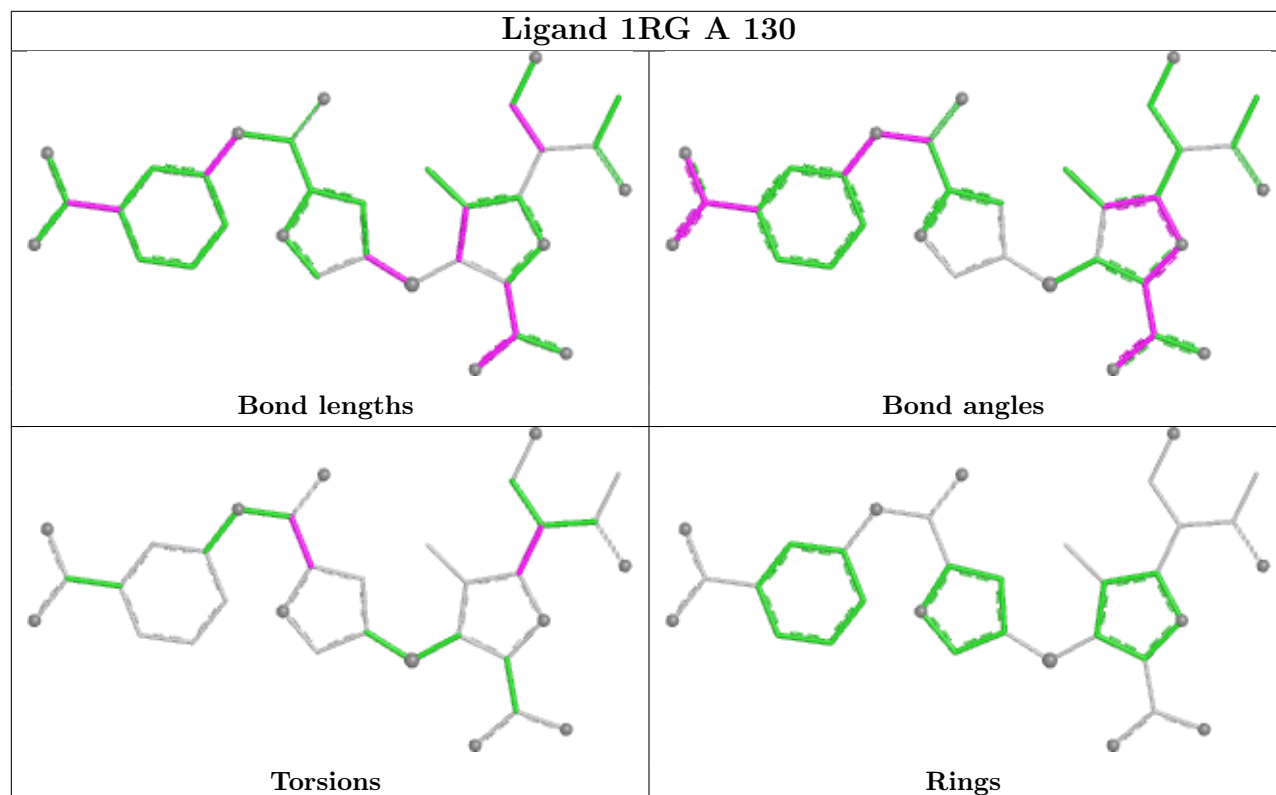
Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
2	A	130	1RG	CAH-CAD-NAJ	6.40	100.12	105.07	2	19
2	A	130	1RG	CAM-CAL-NAJ	5.44	127.14	120.41	11	20
2	A	130	1RG	CAY-NAX-C	3.23	120.00	127.37	20	20
2	A	130	1RG	OAU-CAM-CAL	3.19	121.80	116.73	9	20
2	A	130	1RG	OBF-CBE-OBG	2.59	117.78	123.35	6	20
2	A	130	1RG	OBF-CBE-CBA	2.51	121.28	114.84	7	20
2	A	130	1RG	CB-CA-N	2.27	101.81	106.20	11	2
2	A	130	1RG	CAL-CAI-SAK	2.26	127.55	124.37	2	4
2	A	130	1RG	OAU-CAM-OAT	2.18	118.70	123.90	20	12

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

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



6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 94% for the well-defined parts and 92% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list*

7.1.1 Bookkeeping

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

Total number of shifts	1571
Number of shifts mapped to atoms	1571
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	8

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	124	0.05 ± 0.10	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	114	-0.05 ± 0.18	None needed (< 0.5 ppm)
$^{13}\text{C}'$	106	0.42 ± 0.17	None needed (< 0.5 ppm)
^{15}N	112	0.25 ± 0.59	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 94%, i.e. 1339 atoms were assigned a chemical shift out of a possible 1428. 0 out of 17 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	508/534 (95%)	212/218 (97%)	198/216 (92%)	98/100 (98%)
Sidechain	694/739 (94%)	471/481 (98%)	217/242 (90%)	6/16 (38%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	137/155 (88%)	68/75 (91%)	62/71 (87%)	7/9 (78%)
Overall	1339/1428 (94%)	751/774 (97%)	477/529 (90%)	111/125 (89%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 92%, i.e. 1554 atoms were assigned a chemical shift out of a possible 1681. 0 out of 17 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	589/639 (92%)	247/262 (94%)	230/258 (89%)	112/119 (94%)
Sidechain	792/846 (94%)	537/549 (98%)	247/279 (89%)	8/18 (44%)
Aromatic	173/196 (88%)	85/95 (89%)	78/88 (89%)	10/13 (77%)
Overall	1554/1681 (92%)	869/906 (96%)	555/625 (89%)	130/150 (87%)

7.1.4 Statistically unusual chemical shifts ⓘ

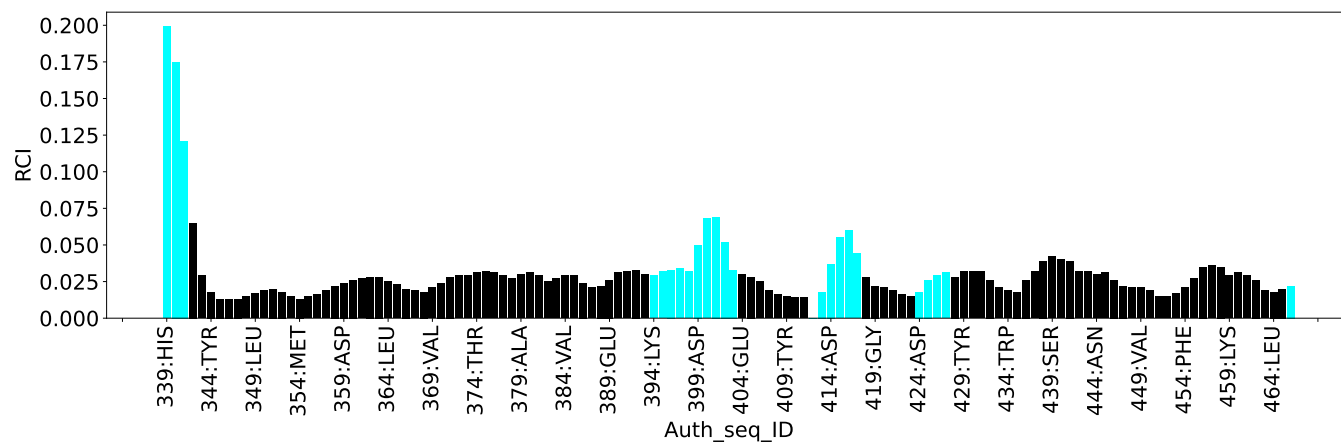
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	366	THR	HG1	5.48	0.08 – 2.19	20.6
1	A	446	PRO	HG2	-0.11	0.41 – 3.45	-6.7
1	A	435	LYS	HG3	-0.33	0.04 – 2.67	-6.4
1	A	435	LYS	HG2	-0.18	0.13 – 2.61	-6.2
1	A	423	SER	HB2	2.35	2.61 – 5.13	-6.0
1	A	423	SER	HB3	2.24	2.49 – 5.20	-5.9
1	A	412	PRO	HD3	1.45	1.76 – 5.48	-5.8
1	A	353	HIS	HD2	4.41	4.65 – 9.35	-5.5

7.1.5 Random Coil Index (RCI) plots ⓘ

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis [i](#)

8.1 Conformationally restricting restraints [i](#)

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

Description	Value
Total distance restraints	4226
Intra-residue ($ i-j =0$)	2403
Sequential ($ i-j =1$)	1191
Medium range ($ i-j >1$ and $ i-j <5$)	161
Long range ($ i-j \geq 5$)	471
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	214
Number of unmapped restraints	0
Number of restraints per residue	34.2
Number of long range restraints per residue ¹	3.6

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

8.2 Residual restraint violations [i](#)

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

8.2.1 Average number of distance violations per model [i](#)

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	235.4	0.2
0.2-0.5 (Medium)	612.9	0.5
>0.5 (Large)	1179.0	12.55

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	34.5	9.97
10.0-20.0 (Medium)	8.2	19.95
>20.0 (Large)	0.8	22.18

9 Distance violation analysis ⓘ

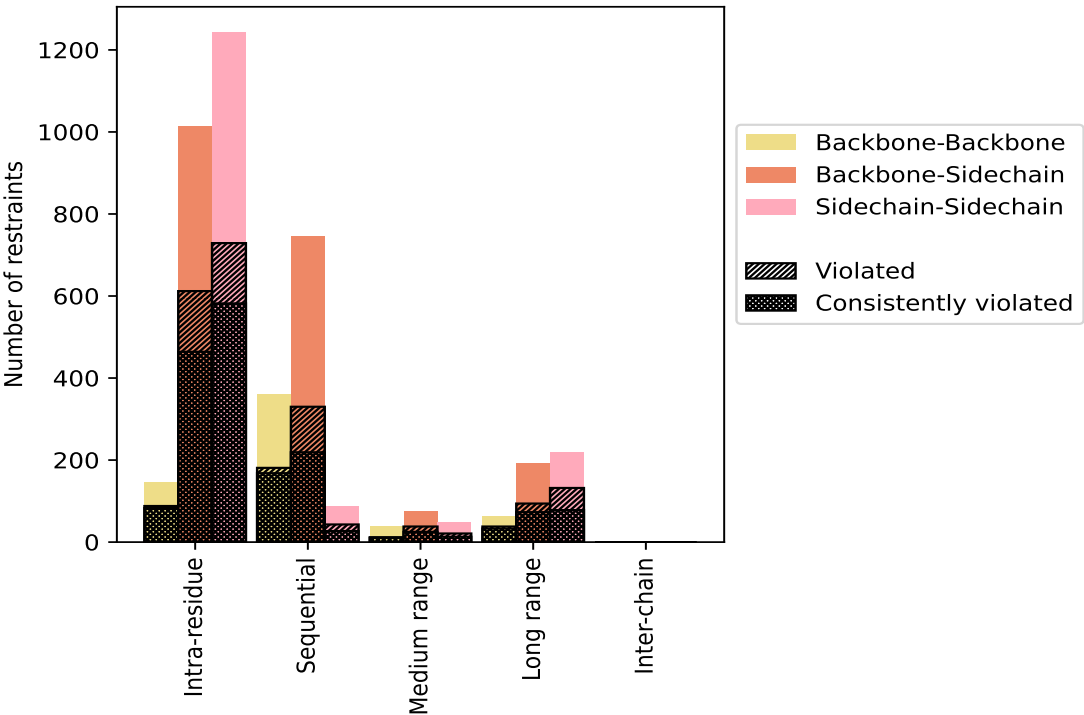
9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	2403	56.9	1429	59.5	33.8	1129	47.0	26.7
Backbone-Backbone	146	3.5	88	60.3	2.1	83	56.8	2.0
Backbone-Sidechain	1014	24.0	612	60.4	14.5	464	45.8	11.0
Sidechain-Sidechain	1243	29.4	729	58.6	17.3	582	46.8	13.8
Sequential (i-j =1)	1191	28.2	554	46.5	13.1	414	34.8	9.8
Backbone-Backbone	360	8.5	181	50.3	4.3	168	46.7	4.0
Backbone-Sidechain	745	17.6	330	44.3	7.8	219	29.4	5.2
Sidechain-Sidechain	86	2.0	43	50.0	1.0	27	31.4	0.6
Medium range (i-j >1 & i-j <5)	161	3.8	71	44.1	1.7	48	29.8	1.1
Backbone-Backbone	39	0.9	12	30.8	0.3	10	25.6	0.2
Backbone-Sidechain	75	1.8	38	50.7	0.9	25	33.3	0.6
Sidechain-Sidechain	47	1.1	21	44.7	0.5	13	27.7	0.3
Long range (i-j ≥5)	471	11.1	264	56.1	6.2	184	39.1	4.4
Backbone-Backbone	62	1.5	38	61.3	0.9	33	53.2	0.8
Backbone-Sidechain	191	4.5	94	49.2	2.2	73	38.2	1.7
Sidechain-Sidechain	218	5.2	132	60.6	3.1	78	35.8	1.8
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	4226	100.0	2318	54.9	54.9	1775	42.0	42.0
Backbone-Backbone	607	14.4	319	52.6	7.5	294	48.4	7.0
Backbone-Sidechain	2025	47.9	1074	53.0	25.4	781	38.6	18.5
Sidechain-Sidechain	1594	37.7	925	58.0	21.9	700	43.9	16.6

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

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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	1279	484	59	223	0	2045	0.75	12.35	0.76	0.59
2	1276	483	62	225	0	2046	0.75	12.27	0.76	0.59
3	1278	486	62	227	0	2053	0.75	12.31	0.75	0.59
4	1282	483	61	224	0	2050	0.76	12.37	0.76	0.59
5	1278	487	58	224	0	2047	0.75	12.55	0.76	0.59
6	1266	479	60	221	0	2026	0.76	12.34	0.76	0.59
7	1279	483	61	223	0	2046	0.75	12.38	0.76	0.59
8	1281	475	61	221	0	2038	0.76	12.28	0.76	0.6
9	1278	483	62	222	0	2045	0.75	12.24	0.75	0.59
10	1276	475	62	222	0	2035	0.76	12.22	0.76	0.59

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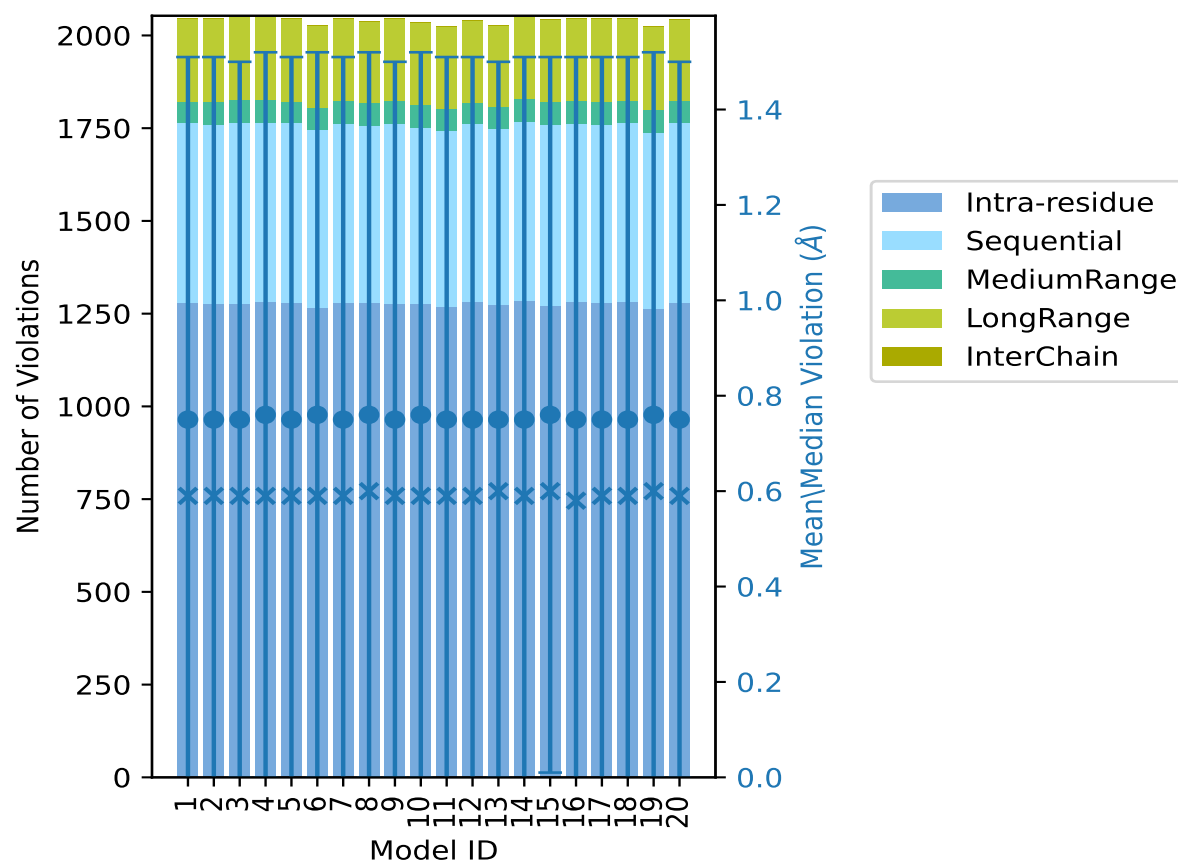
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	1269	474	59	222	0	2024	0.75	12.31	0.76	0.59
12	1283	478	58	222	0	2041	0.75	12.46	0.76	0.59
13	1274	474	61	217	0	2026	0.75	12.26	0.75	0.6
14	1284	483	63	221	0	2051	0.75	12.36	0.76	0.59
15	1272	487	63	220	0	2042	0.76	12.24	0.75	0.6
16	1281	481	62	222	0	2046	0.75	12.4	0.76	0.58
17	1278	482	61	226	0	2047	0.75	12.36	0.76	0.59
18	1281	482	62	222	0	2047	0.75	12.38	0.76	0.59
19	1264	474	62	223	0	2023	0.76	12.31	0.76	0.6
20	1280	484	61	219	0	2044	0.75	12.25	0.75	0.59

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

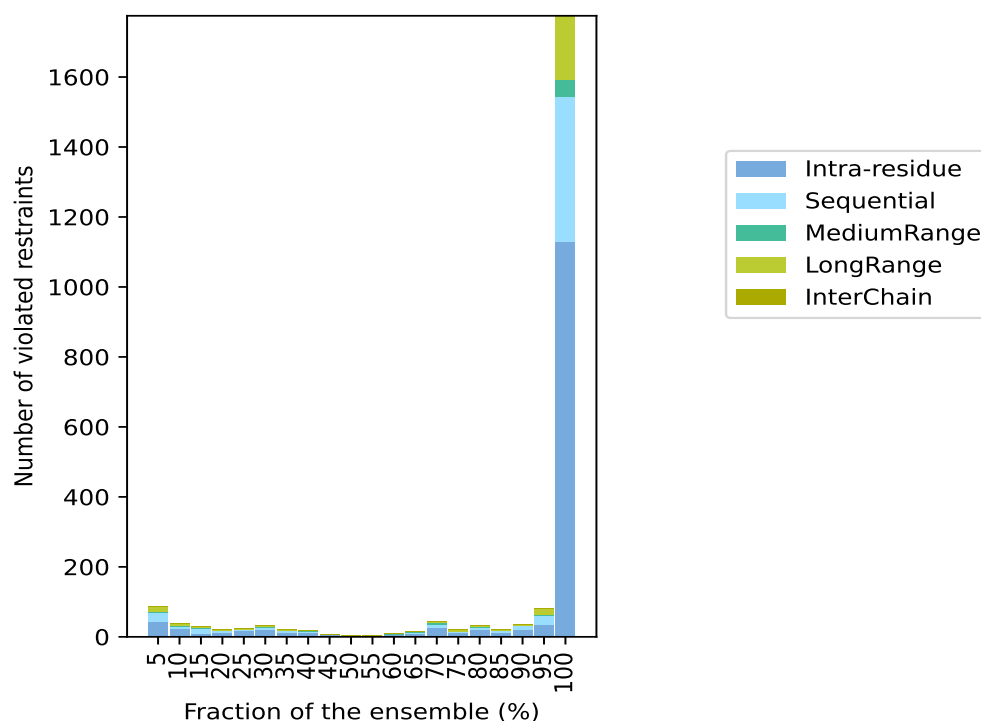
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1908(IR:974, SQ:637, MR:90, LR:207, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
43	27	2	16	0	88	1	5.0
23	7	1	8	0	39	2	10.0
9	15	1	5	0	30	3	15.0
13	6	0	3	0	22	4	20.0
18	2	1	3	0	24	5	25.0
21	6	2	3	0	32	6	30.0
12	5	1	2	0	20	7	35.0
11	5	1	1	0	18	8	40.0
5	1	0	0	0	6	9	45.0
0	1	0	2	0	3	10	50.0
2	2	1	0	0	5	11	55.0
6	1	1	1	0	9	12	60.0
8	5	0	2	0	15	13	65.0
27	9	4	3	0	43	14	70.0
12	3	0	5	0	20	15	75.0
21	6	2	2	0	31	16	80.0
12	5	1	4	0	22	17	85.0
21	10	2	3	0	36	18	90.0
36	24	3	17	0	80	19	95.0
1129	414	48	184	0	1775	20	100.0

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

⁵Inter-chain restraints, ⁶ Number of models with violations

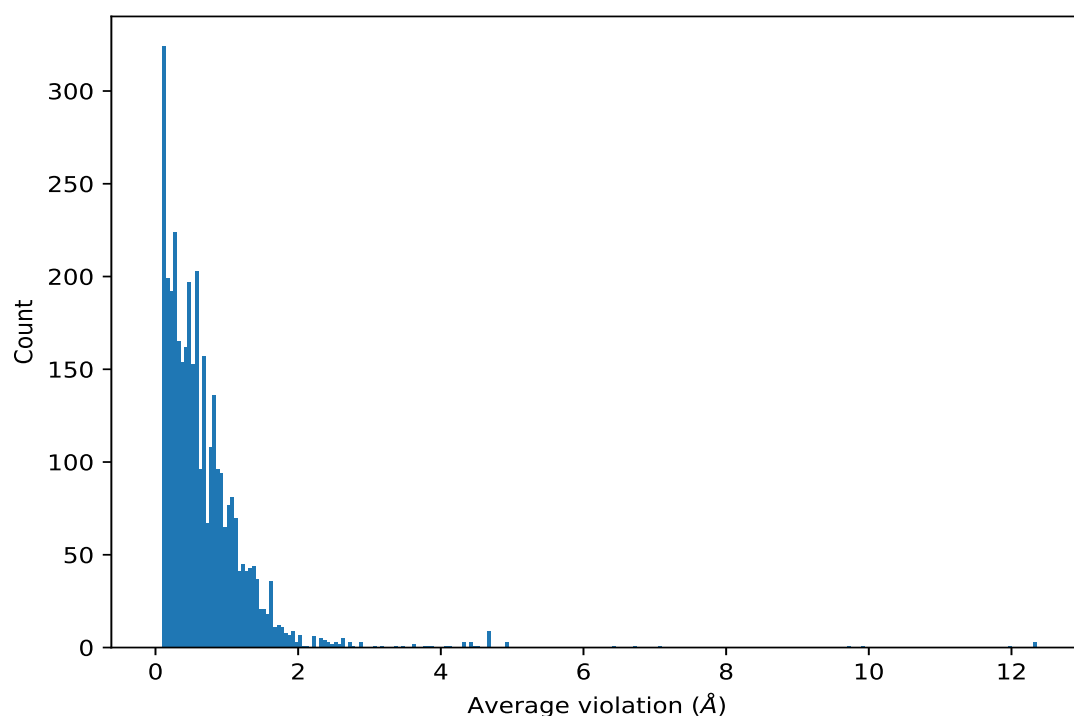
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	20	12.33	0.08	12.32
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	20	12.33	0.08	12.32
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	20	12.33	0.08	12.32
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	20	11.98	0.07	11.96
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	20	9.95	0.08	9.98
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	20	9.72	0.05	9.73
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	20	7.06	0.63	6.96
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	20	6.71	0.24	6.8
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	20	6.44	0.03	6.44
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	20	4.94	0.07	4.92
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	20	4.94	0.07	4.92
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	20	4.94	0.07	4.92
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	20	4.67	0.04	4.66
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	20	4.67	0.04	4.66
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	20	4.67	0.04	4.66
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	20	4.67	0.04	4.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	20	4.67	0.04	4.66
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	20	4.67	0.04	4.66
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	20	4.67	0.04	4.66
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	20	4.67	0.04	4.66
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	20	4.67	0.04	4.66
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	20	4.5	0.16	4.54
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	20	4.46	0.26	4.5
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	20	4.41	0.05	4.42
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	20	4.41	0.05	4.42
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	20	4.41	0.05	4.42
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	20	4.34	0.04	4.34
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	20	4.34	0.04	4.34
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	20	4.34	0.04	4.34
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	20	4.13	0.2	4.08
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	20	4.08	0.06	4.08
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	20	3.88	0.18	3.98
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	20	3.84	0.1	3.82
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	20	3.78	0.11	3.74
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	20	3.64	0.03	3.63
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	20	3.63	0.07	3.62
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	20	3.47	0.13	3.5
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	20	3.35	0.03	3.35
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	20	3.17	0.03	3.18
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	20	3.06	0.08	3.04
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	20	2.85	0.08	2.84
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	20	2.85	0.08	2.84
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	20	2.85	0.08	2.84
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	20	2.78	0.01	2.78
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	20	2.71	0.14	2.72
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	20	2.71	0.15	2.75
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	20	2.7	0.01	2.7
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	20	2.63	0.15	2.62
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	20	2.63	0.15	2.62
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	20	2.62	0.07	2.62
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	20	2.62	0.07	2.62
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	20	2.62	0.07	2.62
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	20	2.59	0.05	2.58
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	20	2.56	1.23	3.33
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	20	2.52	0.04	2.54
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	20	2.52	0.04	2.54
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	20	2.52	0.04	2.54
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	20	2.48	0.01	2.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	20	2.46	0.33	2.37
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	20	2.44	0.34	2.61
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	20	2.43	0.01	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	20	2.43	0.01	2.43
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	20	2.4	0.06	2.42
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	20	2.4	0.06	2.42
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	20	2.4	0.06	2.42
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	20	2.4	0.04	2.38
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	20	2.34	0.02	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	20	2.34	0.02	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	20	2.34	0.02	2.34
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	20	2.31	0.01	2.31
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	20	2.23	0.01	2.23
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	20	2.22	0.04	2.22
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	20	2.21	0.02	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	20	2.21	0.02	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	20	2.21	0.02	2.21
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	20	2.21	0.04	2.22
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	20	2.1	0.04	2.09
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	20	2.08	0.05	2.08
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	20	2.04	0.02	2.04
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	20	2.03	0.02	2.04
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	20	2.03	0.02	2.04
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	20	2.03	0.02	2.04
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	20	2.02	0.01	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	20	2.02	0.0	2.02
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	20	2.01	0.03	2.01
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	20	1.98	0.02	1.99
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	20	1.97	0.0	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	20	1.97	0.0	1.97
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	20	1.94	0.09	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	20	1.94	0.09	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	20	1.94	0.09	1.92
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	20	1.94	0.01	1.94
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	20	1.93	0.05	1.92
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	20	1.93	0.05	1.92
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	20	1.93	0.05	1.92
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	20	1.92	0.02	1.92
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	20	1.9	0.29	2.04
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	20	1.86	0.08	1.85
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	20	1.86	0.08	1.85
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	20	1.86	0.08	1.85

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	20	1.85	0.0	1.85
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	20	1.85	0.33	1.92
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	20	1.85	0.05	1.88
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	20	1.83	0.0	1.83
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	20	1.82	0.04	1.81
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	20	1.82	0.0	1.82
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	20	1.82	0.02	1.82
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	20	1.82	0.02	1.82
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	20	1.82	0.02	1.82
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	20	1.81	0.04	1.81
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	20	1.8	0.01	1.8
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	20	1.78	0.05	1.78
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	20	1.78	0.03	1.78
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	20	1.78	0.03	1.78
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	20	1.78	0.03	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	20	1.77	0.01	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	20	1.77	0.01	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	20	1.77	0.01	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	20	1.77	0.0	1.77
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	20	1.77	0.02	1.76
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	20	1.77	0.01	1.77
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	20	1.76	0.02	1.76
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	20	1.74	0.07	1.77
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	20	1.74	0.0	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	20	1.74	0.0	1.74
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	20	1.74	0.02	1.74
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	20	1.73	0.0	1.73
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	20	1.73	0.02	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	20	1.73	0.0	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	20	1.73	0.01	1.73
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	20	1.73	0.05	1.73
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	20	1.72	0.09	1.74
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	20	1.72	0.0	1.72
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	20	1.72	0.37	1.8
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	20	1.68	0.02	1.69
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	20	1.68	0.01	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	20	1.68	0.0	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	20	1.68	0.0	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	20	1.67	0.04	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	20	1.67	0.04	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	20	1.67	0.04	1.68
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	20	1.67	0.0	1.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	20	1.66	0.08	1.64
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	20	1.66	0.08	1.64
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	20	1.66	0.08	1.64
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	20	1.65	0.02	1.65
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	20	1.65	0.09	1.68
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	20	1.65	0.52	1.44
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	20	1.65	0.09	1.64
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	20	1.65	0.0	1.65
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	20	1.64	0.07	1.67
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	20	1.64	0.09	1.62
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	20	1.64	0.09	1.62
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	20	1.64	0.09	1.62
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	20	1.64	0.0	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	20	1.64	0.0	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	20	1.64	0.0	1.64
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	20	1.63	0.03	1.63
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	20	1.63	0.06	1.64
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	20	1.63	0.06	1.64
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	20	1.63	0.06	1.64
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	20	1.63	0.0	1.63
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	20	1.63	0.02	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	20	1.63	0.01	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	20	1.63	0.01	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	20	1.63	0.01	1.63
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	20	1.63	0.05	1.63
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	20	1.62	0.0	1.62
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	20	1.61	0.06	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	20	1.61	0.06	1.6
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	20	1.61	0.04	1.61
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	20	1.61	0.04	1.61
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	20	1.61	0.04	1.61
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	20	1.6	0.0	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	20	1.6	0.0	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	20	1.6	0.0	1.6
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	20	1.6	0.06	1.59
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	20	1.6	0.06	1.59
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	20	1.6	0.06	1.59
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	20	1.6	0.01	1.6
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	20	1.6	0.55	1.2
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	20	1.58	0.01	1.58
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	20	1.57	0.02	1.58
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	20	1.57	0.02	1.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	20	1.57	0.06	1.58
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	20	1.57	0.06	1.58
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	20	1.57	0.06	1.58
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	20	1.57	0.06	1.58
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	20	1.57	0.06	1.58
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	20	1.57	0.06	1.58
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	20	1.57	0.04	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	20	1.56	0.01	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	20	1.56	0.01	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	20	1.55	0.01	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	20	1.55	0.01	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	20	1.55	0.01	1.56
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	20	1.55	0.0	1.55
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	20	1.54	0.05	1.58
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	20	1.54	0.0	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	20	1.54	0.0	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	20	1.54	0.0	1.54
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	20	1.54	0.33	1.77
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	20	1.53	0.01	1.54
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	20	1.53	0.03	1.53
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	20	1.53	0.01	1.53
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	20	1.53	0.01	1.53
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	20	1.53	0.01	1.53
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	20	1.52	0.03	1.52
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	20	1.52	0.01	1.52
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	20	1.52	0.01	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	20	1.52	0.0	1.52
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	20	1.51	0.02	1.52
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	20	1.51	0.02	1.51
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	20	1.51	0.08	1.53
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	20	1.51	0.08	1.53
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	20	1.51	0.01	1.5
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	20	1.5	0.03	1.51
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	20	1.5	0.1	1.5
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	20	1.49	0.01	1.49
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	20	1.49	0.01	1.49
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	20	1.49	0.03	1.5
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	20	1.49	0.11	1.5
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	20	1.49	0.01	1.49
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	20	1.49	0.05	1.49
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	20	1.48	0.53	1.38
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	20	1.48	0.03	1.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	20	1.48	0.02	1.48
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	20	1.48	0.06	1.48
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	20	1.47	0.09	1.45
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	20	1.47	0.09	1.45
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	20	1.47	0.09	1.45
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	20	1.47	0.01	1.47
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	20	1.47	0.05	1.48
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	20	1.47	0.03	1.48
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	20	1.47	0.01	1.47
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	20	1.47	0.01	1.47
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	20	1.45	0.01	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	20	1.45	0.0	1.45
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	20	1.45	0.06	1.44
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	20	1.45	0.0	1.45
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	20	1.45	0.01	1.44
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	20	1.44	0.02	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	20	1.44	0.0	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	20	1.44	0.0	1.44
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	20	1.44	0.01	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	20	1.44	0.01	1.44
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	20	1.44	0.03	1.43
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	20	1.43	0.01	1.43
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	20	1.43	0.01	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	20	1.43	0.0	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	20	1.43	0.02	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	20	1.43	0.02	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	20	1.43	0.02	1.44
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	20	1.43	0.0	1.43
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	20	1.43	0.02	1.42
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	20	1.42	0.04	1.43
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	20	1.42	0.04	1.43
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	20	1.42	0.04	1.43
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	20	1.42	0.03	1.43
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	20	1.42	0.03	1.43
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	20	1.42	0.0	1.42
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	20	1.42	0.34	1.66
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	20	1.42	0.01	1.42
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	20	1.41	0.02	1.41
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	20	1.41	0.17	1.5
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	20	1.41	0.02	1.42
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	20	1.41	0.03	1.42
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	20	1.41	0.03	1.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	20	1.41	0.01	1.41
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	20	1.41	0.01	1.4
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	20	1.41	0.01	1.4
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	20	1.41	0.01	1.4
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	20	1.41	0.0	1.41
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	20	1.4	0.0	1.4
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	20	1.4	0.4	1.66
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	20	1.4	0.14	1.43
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	20	1.39	0.08	1.42
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	20	1.39	0.08	1.42
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	20	1.39	0.08	1.42
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	20	1.39	0.0	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	20	1.39	0.0	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	20	1.39	0.0	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	20	1.39	0.01	1.39
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	20	1.39	0.01	1.38
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	20	1.39	0.01	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	20	1.38	0.01	1.39
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	20	1.38	0.02	1.38
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	20	1.38	0.07	1.35
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	20	1.38	0.07	1.35
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	20	1.38	0.07	1.35
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	20	1.38	0.01	1.38
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	20	1.38	0.5	1.73
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	20	1.38	0.0	1.38
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	20	1.38	0.08	1.39
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	20	1.37	0.01	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	20	1.37	0.01	1.37
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	20	1.37	0.04	1.37
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	20	1.36	0.01	1.36
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	20	1.36	0.03	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	20	1.36	0.03	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	20	1.36	0.03	1.34
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	20	1.35	0.02	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	20	1.35	0.0	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	20	1.35	0.0	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	20	1.35	0.0	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	20	1.35	0.0	1.35
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	20	1.35	0.08	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	20	1.35	0.08	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	20	1.35	0.08	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	20	1.35	0.08	1.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	20	1.35	0.08	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	20	1.35	0.08	1.37
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	20	1.35	0.01	1.35
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	20	1.35	0.01	1.35
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	20	1.34	0.03	1.36
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	20	1.34	0.37	1.46
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	20	1.34	0.37	1.46
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	20	1.34	0.37	1.46
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	20	1.34	0.0	1.34
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	20	1.34	0.01	1.34
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	20	1.34	0.01	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	20	1.34	0.02	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	20	1.34	0.02	1.34
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	20	1.34	0.02	1.34
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	20	1.34	0.24	1.34
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	20	1.34	0.05	1.35
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	20	1.33	0.05	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	20	1.33	0.05	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	20	1.33	0.05	1.33
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	20	1.33	0.01	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	20	1.33	0.01	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	20	1.33	0.01	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	20	1.33	0.01	1.33
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	20	1.33	0.06	1.33
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	20	1.32	0.02	1.33
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	20	1.32	0.02	1.33
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	20	1.32	0.12	1.3
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	20	1.32	0.03	1.32
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	20	1.32	0.03	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	20	1.32	0.01	1.32
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	20	1.31	0.17	1.39
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	20	1.31	0.06	1.32
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	20	1.31	0.0	1.31
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	20	1.31	0.01	1.31
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	20	1.31	0.01	1.31
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	20	1.3	0.04	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	20	1.3	0.01	1.3
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	20	1.29	0.02	1.3
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	20	1.29	0.18	1.36
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	20	1.29	0.03	1.3
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	20	1.29	0.2	1.34
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	20	1.29	0.03	1.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	20	1.29	0.03	1.28
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	20	1.29	0.03	1.28
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	20	1.28	0.01	1.28
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	20	1.28	0.01	1.28
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	20	1.28	0.01	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	20	1.28	0.0	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	20	1.28	0.0	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	20	1.28	0.0	1.28
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	20	1.28	0.03	1.28
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	20	1.28	0.03	1.28
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	20	1.28	0.03	1.28
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	20	1.28	0.05	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	20	1.28	0.05	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	20	1.28	0.05	1.3
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	20	1.28	0.01	1.28
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	20	1.27	0.05	1.25
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	20	1.27	0.02	1.28
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	20	1.27	0.05	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	20	1.27	0.01	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	20	1.27	0.01	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	20	1.27	0.01	1.27
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	20	1.26	0.01	1.27
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	20	1.26	0.01	1.26
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	20	1.26	0.06	1.25
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	20	1.26	0.06	1.25
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	20	1.26	0.06	1.25
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	20	1.26	0.0	1.26
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	20	1.26	0.03	1.27
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	20	1.26	0.03	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	20	1.25	0.01	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	20	1.25	0.01	1.25
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	20	1.25	0.01	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	20	1.25	0.0	1.25
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	20	1.25	0.04	1.26
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	20	1.25	0.01	1.25
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	20	1.25	0.72	0.9
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	20	1.24	0.01	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	20	1.24	0.01	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	20	1.24	0.01	1.24
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	20	1.24	0.34	1.41
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	20	1.24	0.02	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	20	1.24	0.02	1.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	20	1.24	0.02	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	20	1.24	0.0	1.24
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	20	1.24	0.06	1.22
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	20	1.24	0.01	1.23
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	20	1.24	0.03	1.24
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	20	1.24	0.01	1.24
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	20	1.23	0.03	1.23
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	20	1.23	0.03	1.23
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	20	1.23	0.02	1.23
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	20	1.23	0.01	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	20	1.23	0.01	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	20	1.23	0.01	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	20	1.23	0.01	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	20	1.23	0.0	1.23
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	20	1.23	0.07	1.25
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	20	1.23	0.07	1.25
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	20	1.23	0.07	1.25
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	20	1.23	0.01	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	20	1.23	0.0	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	20	1.23	0.0	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	20	1.23	0.0	1.23
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	20	1.22	0.0	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	20	1.22	0.0	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	20	1.22	0.0	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	20	1.22	0.01	1.22
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	20	1.22	0.04	1.2
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	20	1.22	0.13	1.21
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	20	1.22	0.01	1.22
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	20	1.22	0.02	1.22
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	20	1.22	0.02	1.22
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	20	1.22	0.02	1.22
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	20	1.21	0.03	1.21
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	20	1.21	0.03	1.21
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	20	1.21	0.03	1.21
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	20	1.21	0.05	1.2
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	20	1.21	0.06	1.18
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	20	1.21	0.04	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	20	1.21	0.01	1.2
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	20	1.2	0.06	1.17
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	20	1.2	0.52	1.47
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	20	1.2	0.03	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	20	1.2	0.02	1.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	20	1.2	0.02	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	20	1.2	0.02	1.2
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	20	1.2	0.04	1.21
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	20	1.19	0.04	1.19
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	20	1.19	0.07	1.22
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	20	1.19	0.09	1.2
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	20	1.19	0.02	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	20	1.19	0.02	1.19
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	20	1.19	0.04	1.18
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	20	1.19	0.04	1.18
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	20	1.19	0.04	1.18
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	20	1.18	0.01	1.19
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	20	1.18	0.15	1.23
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	20	1.18	0.15	1.23
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	20	1.18	0.15	1.23
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	20	1.18	0.01	1.18
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	20	1.18	0.03	1.18
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	20	1.18	0.03	1.18
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	20	1.18	0.03	1.18
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	20	1.18	0.01	1.18
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	20	1.17	0.02	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	20	1.17	0.01	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	20	1.17	0.01	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	20	1.17	0.01	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	20	1.17	0.0	1.17
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	20	1.17	0.04	1.16
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	20	1.16	0.05	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	20	1.16	0.01	1.16
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	20	1.16	0.05	1.15
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	20	1.16	0.0	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	20	1.16	0.01	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	20	1.16	0.01	1.16
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	20	1.16	0.02	1.15
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	20	1.15	0.02	1.15
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	20	1.15	0.04	1.15
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	20	1.15	0.01	1.15
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	20	1.15	0.02	1.14
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	20	1.15	0.06	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	20	1.15	0.0	1.15
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	20	1.14	0.23	1.12
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	20	1.14	0.23	1.12
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	20	1.14	0.06	1.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	20	1.14	0.0	1.14
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	20	1.14	0.02	1.13
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	20	1.14	0.02	1.13
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	20	1.14	0.02	1.13
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	20	1.14	0.05	1.14
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	20	1.14	0.03	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	20	1.13	0.02	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	20	1.13	0.01	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	20	1.13	0.01	1.13
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	20	1.13	0.17	1.12
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	20	1.13	0.0	1.13
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	20	1.13	0.07	1.12
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	20	1.13	0.07	1.12
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	20	1.13	0.07	1.12
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	20	1.13	0.01	1.13
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	20	1.13	0.01	1.13
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	20	1.13	0.01	1.13
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	20	1.13	0.03	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	20	1.13	0.01	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	20	1.13	0.01	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	20	1.13	0.01	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	20	1.13	0.0	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	20	1.13	0.0	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	20	1.13	0.0	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	20	1.12	0.01	1.12
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	20	1.12	0.02	1.12
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	20	1.12	0.03	1.12
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	20	1.12	0.03	1.12
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	20	1.12	0.03	1.12
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	20	1.12	0.02	1.12
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	20	1.12	0.34	1.37
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	20	1.12	0.05	1.12
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	20	1.12	0.05	1.12
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	20	1.12	0.05	1.12
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	20	1.12	0.02	1.12
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	20	1.11	0.08	1.12
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	20	1.11	0.55	1.4
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	20	1.11	0.01	1.1
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	20	1.11	0.01	1.11
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	20	1.11	0.01	1.1
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	20	1.11	0.01	1.1
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	20	1.11	0.0	1.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	20	1.1	0.16	1.18
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	20	1.1	0.02	1.1
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	20	1.1	0.02	1.1
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	20	1.1	0.02	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	20	1.1	0.0	1.1
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	20	1.1	0.04	1.11
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	20	1.1	0.03	1.11
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	20	1.09	0.03	1.1
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	20	1.09	0.01	1.09
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	20	1.09	0.02	1.09
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	20	1.09	0.02	1.09
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	20	1.09	0.02	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	20	1.09	0.01	1.09
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	20	1.09	0.01	1.09
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	20	1.09	0.28	0.93
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	20	1.09	0.21	1.06
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	20	1.08	0.01	1.09
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	20	1.08	0.01	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	20	1.08	0.01	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	20	1.08	0.01	1.08
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	20	1.08	0.01	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	20	1.08	0.0	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	20	1.08	0.0	1.08
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	20	1.08	0.01	1.08
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	20	1.08	0.01	1.08
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	20	1.08	0.03	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	20	1.08	0.01	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	20	1.08	0.01	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	20	1.08	0.01	1.07
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	20	1.08	0.01	1.08
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	20	1.07	0.04	1.09
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	20	1.07	0.02	1.07
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	20	1.07	0.02	1.07
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	20	1.07	0.03	1.07
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	20	1.07	0.06	1.08
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	20	1.07	0.02	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	20	1.07	0.02	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	20	1.07	0.02	1.07
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	20	1.07	0.01	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	20	1.07	0.0	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	20	1.07	0.0	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	20	1.07	0.0	1.07

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	20	1.07	0.01	1.07
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	20	1.06	0.04	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	20	1.06	0.01	1.06
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	20	1.06	0.01	1.06
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	20	1.06	0.02	1.06
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	20	1.06	0.01	1.06
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	20	1.06	0.05	1.05
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	20	1.06	0.03	1.04
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	20	1.06	0.01	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	20	1.06	0.01	1.06
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	20	1.06	0.02	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	20	1.06	0.02	1.05
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	20	1.06	0.05	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	20	1.06	0.01	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	20	1.05	0.01	1.06
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	20	1.05	0.01	1.05
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	20	1.05	0.02	1.06
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	20	1.05	0.02	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	20	1.05	0.01	1.05
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	20	1.05	0.03	1.06
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	20	1.05	0.45	1.34
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	20	1.05	0.01	1.05
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	20	1.05	0.03	1.06
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	20	1.05	0.01	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	20	1.05	0.01	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	20	1.05	0.01	1.05
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	20	1.05	0.04	1.05
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	20	1.04	0.03	1.03
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	20	1.04	0.03	1.03
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	20	1.04	0.03	1.03
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	20	1.04	0.0	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	20	1.04	0.0	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	20	1.04	0.0	1.04
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	20	1.04	0.01	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	20	1.04	0.01	1.04
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	20	1.03	0.06	1.06
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	20	1.03	0.01	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	20	1.03	0.01	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	20	1.03	0.01	1.04
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	20	1.03	0.01	1.03
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	20	1.03	0.02	1.03
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	20	1.03	0.09	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	20	1.03	0.01	1.03
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	20	1.03	0.02	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	20	1.03	0.02	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	20	1.03	0.02	1.02
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	20	1.03	0.01	1.03
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	20	1.03	0.04	1.02
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	20	1.02	0.02	1.03
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	20	1.02	0.01	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	20	1.02	0.01	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	20	1.02	0.01	1.02
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	20	1.02	0.03	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	20	1.02	0.03	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	20	1.02	0.03	1.03
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	20	1.02	0.03	1.02
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	20	1.02	0.01	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	20	1.02	0.0	1.02
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	20	1.02	0.01	1.02
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	20	1.02	0.01	1.02
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	20	1.02	0.01	1.02
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	20	1.02	0.01	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	20	1.02	0.0	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	20	1.01	0.03	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	20	1.01	0.03	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	20	1.01	0.03	1.02
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	20	1.01	0.11	1.04
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	20	1.01	0.02	1.02
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	20	1.01	0.01	1.01
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	20	1.01	0.03	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	20	1.01	0.04	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	20	1.01	0.04	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	20	1.01	0.04	1.01
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	20	1.01	0.01	1.01
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	20	1.01	0.01	1.0
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	20	1.01	0.02	1.01
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	20	1.01	0.05	1.02
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	20	1.01	0.01	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	20	1.0	0.0	1.0
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	20	1.0	0.01	1.0
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	20	1.0	0.03	1.01
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	20	1.0	0.03	1.01
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	20	1.0	0.03	1.01
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	20	1.0	0.02	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	20	1.0	0.4	1.26
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	20	1.0	0.02	1.0
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	20	1.0	0.02	1.01
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	20	1.0	0.02	1.0
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	20	1.0	0.02	1.0
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	20	1.0	0.02	1.0
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	20	1.0	0.03	0.99
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	20	1.0	0.06	1.01
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	20	1.0	0.05	0.98
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	20	1.0	0.14	1.03
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	20	0.99	0.0	0.99
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	20	0.99	0.01	1.0
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	20	0.99	0.01	0.99
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	20	0.99	0.06	0.98
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	20	0.99	0.01	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	20	0.99	0.02	0.98
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	20	0.99	0.02	0.98
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	20	0.99	0.02	0.98
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	20	0.99	0.02	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	20	0.98	0.01	0.99
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	20	0.98	0.06	1.0
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	20	0.98	0.02	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	20	0.98	0.01	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	20	0.98	0.01	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	20	0.98	0.01	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	20	0.98	0.01	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	20	0.98	0.01	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	20	0.98	0.01	0.98
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	20	0.98	0.26	0.84
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	20	0.98	0.01	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	20	0.98	0.01	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	20	0.98	0.01	0.98
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	20	0.98	0.13	0.96
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	20	0.98	0.06	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	20	0.98	0.01	0.98
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	20	0.98	0.02	0.97
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	20	0.98	0.02	0.97
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	20	0.98	0.0	0.98
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	20	0.98	0.05	0.98
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	20	0.97	0.06	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	20	0.97	0.01	0.97
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	20	0.97	0.05	0.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	20	0.97	0.01	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	20	0.97	0.01	0.97
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	20	0.97	0.02	0.97
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	20	0.97	0.25	1.1
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	20	0.96	0.07	0.98
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	20	0.96	0.01	0.96
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	20	0.96	0.02	0.96
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	20	0.96	0.02	0.96
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	20	0.96	0.02	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	20	0.96	0.01	0.96
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	20	0.96	0.05	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	20	0.96	0.05	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	20	0.96	0.05	0.94
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	20	0.96	0.06	0.96
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	20	0.96	0.06	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	20	0.96	0.01	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	20	0.96	0.01	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	20	0.96	0.04	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	20	0.96	0.04	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	20	0.96	0.04	0.96
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	20	0.96	0.04	0.96
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	20	0.96	0.04	0.96
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	20	0.95	0.05	0.96
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	20	0.95	0.13	0.93
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	20	0.95	0.01	0.95
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	20	0.95	0.01	0.95
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	20	0.95	0.1	1.0
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	20	0.95	0.01	0.95
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	20	0.95	0.01	0.95
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	20	0.95	0.01	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	20	0.95	0.0	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	20	0.95	0.0	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	20	0.95	0.0	0.95
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	20	0.95	0.06	0.96
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	20	0.95	0.01	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	20	0.95	0.0	0.95
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	20	0.94	0.23	0.88
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	20	0.94	0.02	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	20	0.94	0.0	0.94
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	20	0.94	0.01	0.94
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	20	0.94	0.02	0.94
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	20	0.94	0.01	0.93

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	20	0.94	0.02	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	20	0.94	0.01	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	20	0.94	0.01	0.94
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	20	0.93	0.04	0.94
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	20	0.93	0.04	0.94
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	20	0.93	0.04	0.94
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	20	0.93	0.04	0.94
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	20	0.93	0.04	0.94
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	20	0.93	0.04	0.94
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	20	0.93	0.02	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	20	0.93	0.02	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	20	0.93	0.02	0.93
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	20	0.93	0.01	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	20	0.93	0.01	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	20	0.93	0.01	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	20	0.93	0.01	0.93
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	20	0.93	0.02	0.92
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	20	0.93	0.0	0.93
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	20	0.93	0.09	0.88
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	20	0.93	0.02	0.93
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	20	0.93	0.02	0.93
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	20	0.93	0.02	0.93
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	20	0.92	0.0	0.92
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	20	0.92	0.03	0.92
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	20	0.92	0.03	0.92
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	20	0.92	0.04	0.9
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	20	0.92	0.0	0.92
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	20	0.92	0.01	0.92
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	20	0.92	0.01	0.92
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	20	0.92	0.01	0.92
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	20	0.91	0.03	0.9
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	20	0.91	0.08	0.94
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	20	0.91	0.08	0.94
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	20	0.91	0.08	0.94
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	20	0.91	0.01	0.91
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	20	0.91	0.13	0.95
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	20	0.91	0.22	0.88
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	20	0.91	0.02	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	20	0.91	0.01	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	20	0.91	0.01	0.91
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	20	0.91	0.03	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	20	0.91	0.01	0.91

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	20	0.91	0.0	0.91
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	20	0.91	0.02	0.9
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	20	0.91	0.01	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	20	0.9	0.01	0.9
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	20	0.9	0.01	0.9
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	20	0.9	0.01	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	20	0.9	0.01	0.9
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	20	0.9	0.03	0.9
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	20	0.9	0.03	0.9
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	20	0.9	0.03	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	20	0.9	0.03	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	20	0.9	0.03	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	20	0.9	0.03	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	20	0.9	0.01	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	20	0.9	0.01	0.9
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	20	0.9	0.03	0.89
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	20	0.89	0.14	0.94
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	20	0.89	0.08	0.92
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	20	0.89	0.08	0.92
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	20	0.89	0.08	0.92
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	20	0.89	0.01	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	20	0.89	0.01	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	20	0.89	0.01	0.89
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	20	0.89	0.01	0.9
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	20	0.89	0.0	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	20	0.89	0.0	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	20	0.89	0.0	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	20	0.89	0.01	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	20	0.89	0.01	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	20	0.89	0.01	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	20	0.89	0.01	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	20	0.89	0.01	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	20	0.89	0.01	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	20	0.89	0.01	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	20	0.89	0.01	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	20	0.89	0.01	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	20	0.89	0.01	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	20	0.89	0.01	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	20	0.89	0.01	0.89
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	20	0.89	0.01	0.88
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	20	0.89	0.21	0.86
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	20	0.89	0.02	0.89

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	20	0.89	0.02	0.89
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	20	0.88	0.02	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	20	0.88	0.02	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	20	0.88	0.02	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	20	0.88	0.02	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	20	0.88	0.02	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	20	0.88	0.02	0.87
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	20	0.88	0.01	0.89
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	20	0.88	0.02	0.89
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	20	0.88	0.02	0.89
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	20	0.88	0.02	0.89
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	20	0.88	0.03	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	20	0.88	0.03	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	20	0.88	0.03	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	20	0.88	0.0	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	20	0.88	0.0	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	20	0.88	0.0	0.88
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	20	0.88	0.05	0.9
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	20	0.88	0.02	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	20	0.88	0.0	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	20	0.88	0.0	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	20	0.88	0.0	0.88
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	20	0.88	0.05	0.9
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	20	0.88	0.0	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	20	0.88	0.01	0.88
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	20	0.88	0.01	0.88
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	20	0.88	0.01	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	20	0.88	0.01	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	20	0.88	0.01	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	20	0.88	0.01	0.88
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	20	0.88	0.01	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	20	0.88	0.01	0.87
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	20	0.88	0.03	0.89
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	20	0.87	0.01	0.87
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	20	0.87	0.02	0.87
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	20	0.87	0.08	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	20	0.87	0.08	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	20	0.87	0.08	0.88
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	20	0.87	0.02	0.88
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	20	0.87	0.01	0.87
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	20	0.87	0.01	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	20	0.87	0.0	0.87

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	20	0.87	0.0	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	20	0.87	0.0	0.87
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	20	0.87	0.01	0.87
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	20	0.87	0.01	0.87
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	20	0.87	0.01	0.87
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	20	0.87	0.02	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	20	0.87	0.01	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	20	0.87	0.01	0.87
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	20	0.87	0.09	0.9
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	20	0.86	0.01	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	20	0.86	0.01	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	20	0.86	0.01	0.86
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	20	0.86	0.11	0.89
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	20	0.86	0.01	0.86
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	20	0.86	0.01	0.86
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	20	0.86	0.01	0.86
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	20	0.86	0.04	0.87
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	20	0.86	0.0	0.86
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	20	0.86	0.01	0.86
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	20	0.85	0.0	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	20	0.85	0.0	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	20	0.85	0.0	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	20	0.85	0.01	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	20	0.85	0.01	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	20	0.85	0.01	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	20	0.85	0.0	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	20	0.85	0.01	0.85
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	20	0.85	0.02	0.85
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	20	0.85	0.04	0.84
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	20	0.85	0.0	0.85
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	20	0.85	0.02	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	20	0.85	0.01	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	20	0.85	0.01	0.85
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	20	0.85	0.13	0.82
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	20	0.85	0.13	0.88
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	20	0.85	0.04	0.86
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	20	0.84	0.01	0.85
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	20	0.84	0.0	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	20	0.84	0.01	0.84
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	20	0.84	0.02	0.84
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	20	0.84	0.01	0.84
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	20	0.84	0.01	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	20	0.84	0.01	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	20	0.84	0.01	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	20	0.84	0.0	0.84
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	20	0.84	0.08	0.8
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	20	0.84	0.01	0.84
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	20	0.84	0.07	0.84
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	20	0.84	0.05	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	20	0.84	0.05	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	20	0.84	0.05	0.82
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	20	0.83	0.0	0.83
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	20	0.83	0.03	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	20	0.83	0.01	0.83
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	20	0.83	0.01	0.83
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	20	0.83	0.01	0.83
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	20	0.83	0.01	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	20	0.83	0.0	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	20	0.83	0.0	0.83
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	20	0.83	0.03	0.82
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	20	0.83	0.15	0.89
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	20	0.83	0.03	0.84
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	20	0.83	0.01	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	20	0.83	0.01	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	20	0.83	0.01	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	20	0.83	0.01	0.83
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	20	0.83	0.02	0.82
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	20	0.83	0.03	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	20	0.83	0.03	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	20	0.83	0.03	0.83
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	20	0.83	0.02	0.82
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	20	0.83	0.01	0.83
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	20	0.82	0.01	0.82
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	20	0.82	0.03	0.82
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	20	0.82	0.02	0.82
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	20	0.82	0.05	0.84
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	20	0.82	0.04	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	20	0.82	0.0	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	20	0.82	0.0	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	20	0.82	0.0	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	20	0.82	0.0	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	20	0.82	0.0	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	20	0.82	0.0	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	20	0.82	0.0	0.82

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	20	0.82	0.0	0.82
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	20	0.82	0.01	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	20	0.82	0.01	0.82
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	20	0.82	0.01	0.82
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	20	0.82	0.44	1.1
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	20	0.82	0.0	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	20	0.82	0.0	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	20	0.82	0.0	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	20	0.82	0.0	0.82
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	20	0.82	0.01	0.82
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	20	0.82	0.01	0.82
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	20	0.81	0.01	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	20	0.81	0.02	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	20	0.81	0.02	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	20	0.81	0.02	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	20	0.81	0.02	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	20	0.81	0.02	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	20	0.81	0.02	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	20	0.81	0.02	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	20	0.81	0.02	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	20	0.81	0.02	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	20	0.81	0.01	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	20	0.81	0.04	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	20	0.81	0.04	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	20	0.81	0.04	0.81
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	20	0.81	0.05	0.82
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	20	0.81	0.0	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	20	0.81	0.0	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	20	0.81	0.0	0.81
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	20	0.81	0.09	0.83
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	20	0.81	0.01	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	20	0.81	0.01	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	20	0.81	0.01	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	20	0.81	0.01	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	20	0.81	0.01	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	20	0.81	0.01	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	20	0.81	0.01	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	20	0.81	0.01	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	20	0.81	0.01	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	20	0.81	0.01	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	20	0.81	0.01	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	20	0.81	0.01	0.81

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	20	0.81	0.02	0.8
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	20	0.81	0.03	0.8
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	20	0.81	0.03	0.81
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	20	0.81	0.04	0.81
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	20	0.8	0.01	0.8
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	20	0.8	0.53	0.46
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	20	0.8	0.12	0.78
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	20	0.8	0.01	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	20	0.8	0.0	0.8
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	20	0.8	0.01	0.8
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	20	0.8	0.02	0.8
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	20	0.8	0.01	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	20	0.8	0.01	0.8
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	20	0.8	0.02	0.81
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	20	0.8	0.01	0.8
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	20	0.8	0.26	0.93
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	20	0.8	0.01	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	20	0.8	0.01	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	20	0.8	0.01	0.8
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	20	0.8	0.01	0.8
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	20	0.79	0.01	0.79
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	20	0.79	0.17	0.84
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	20	0.79	0.0	0.79
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	20	0.79	0.04	0.78
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	20	0.79	0.1	0.8
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	20	0.78	0.03	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	20	0.78	0.0	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	20	0.78	0.0	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	20	0.78	0.0	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	20	0.78	0.01	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	20	0.78	0.02	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	20	0.78	0.02	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	20	0.78	0.02	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	20	0.78	0.01	0.78
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	20	0.78	0.01	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	20	0.77	0.01	0.78
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	20	0.77	0.02	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	20	0.77	0.01	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	20	0.77	0.01	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	20	0.77	0.01	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	20	0.77	0.01	0.77
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	20	0.77	0.05	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	20	0.77	0.01	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	20	0.77	0.01	0.77
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	20	0.77	0.01	0.77
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	20	0.77	0.06	0.79
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	20	0.77	0.02	0.76
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	20	0.77	0.01	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	20	0.77	0.01	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	20	0.77	0.01	0.77
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	20	0.77	0.43	0.52
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	20	0.77	0.01	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	20	0.76	0.04	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	20	0.76	0.04	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	20	0.76	0.04	0.78
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	20	0.76	0.04	0.77
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	20	0.76	0.19	0.84
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	20	0.76	0.08	0.76
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	20	0.76	0.08	0.76
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	20	0.76	0.08	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	20	0.76	0.0	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	20	0.76	0.0	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	20	0.76	0.0	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	20	0.76	0.01	0.76
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	20	0.76	0.03	0.76
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	20	0.76	0.03	0.76
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	20	0.76	0.03	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	20	0.76	0.02	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	20	0.76	0.02	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	20	0.76	0.02	0.76
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	20	0.76	0.6	0.34
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	20	0.76	0.03	0.75
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	20	0.76	0.01	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	20	0.76	0.0	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	20	0.76	0.0	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	20	0.76	0.0	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	20	0.76	0.01	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	20	0.76	0.01	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	20	0.76	0.01	0.76
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	20	0.76	0.02	0.76
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	20	0.76	0.02	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	20	0.76	0.01	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	20	0.76	0.01	0.76
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	20	0.75	0.01	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	20	0.75	0.01	0.76
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	20	0.75	0.01	0.76
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	20	0.75	0.02	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	20	0.75	0.01	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	20	0.75	0.01	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	20	0.75	0.01	0.75
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	20	0.75	0.04	0.74
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	20	0.75	0.01	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	20	0.75	0.0	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	20	0.75	0.0	0.75
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	20	0.75	0.01	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	20	0.75	0.01	0.75
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	20	0.75	0.01	0.75
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	20	0.75	0.01	0.75
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	20	0.74	0.01	0.74
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	20	0.74	0.01	0.75
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	20	0.74	0.01	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	20	0.74	0.01	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	20	0.74	0.01	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	20	0.74	0.01	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	20	0.74	0.0	0.74
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	20	0.74	0.11	0.72
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	20	0.74	0.11	0.72
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	20	0.74	0.11	0.72
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	20	0.74	0.0	0.74
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	20	0.74	0.13	0.77
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	20	0.74	0.13	0.77
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	20	0.74	0.13	0.77
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	20	0.74	0.06	0.72
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	20	0.74	0.01	0.74
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	20	0.74	0.17	0.68
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	20	0.74	0.2	0.7
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	20	0.73	0.01	0.73
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	20	0.73	0.02	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	20	0.73	0.0	0.73
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	20	0.73	0.01	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	20	0.73	0.01	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	20	0.73	0.0	0.73
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	20	0.73	0.04	0.74
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	20	0.73	0.04	0.74
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	20	0.73	0.04	0.74
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	20	0.73	0.14	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	20	0.73	0.14	0.78
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	20	0.73	0.14	0.78
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	20	0.73	0.01	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	20	0.73	0.0	0.73
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	20	0.73	0.08	0.75
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	20	0.73	0.01	0.72
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	20	0.73	0.01	0.72
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	20	0.73	0.03	0.73
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	20	0.73	0.03	0.73
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	20	0.73	0.03	0.73
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	20	0.72	0.05	0.71
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	20	0.72	0.0	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	20	0.72	0.0	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	20	0.72	0.0	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	20	0.72	0.01	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	20	0.72	0.01	0.72
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	20	0.72	0.02	0.72
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	20	0.72	0.01	0.72
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	20	0.72	0.01	0.72
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	20	0.72	0.15	0.74
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	20	0.72	0.04	0.71
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	20	0.71	0.08	0.72
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	20	0.71	0.01	0.71
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	20	0.71	0.13	0.75
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	20	0.71	0.02	0.71
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	20	0.71	0.09	0.73
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	20	0.71	0.11	0.74
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	20	0.71	0.01	0.71
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	20	0.71	0.01	0.71
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	20	0.71	0.06	0.7
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	20	0.71	0.02	0.71
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	20	0.71	0.01	0.71
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	20	0.71	0.13	0.74
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	20	0.7	0.13	0.79
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	20	0.7	0.01	0.7
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	20	0.7	0.01	0.71
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	20	0.7	0.07	0.67
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	20	0.7	0.01	0.7
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	20	0.7	0.03	0.71
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	20	0.7	0.12	0.62
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	20	0.7	0.03	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	20	0.7	0.03	0.71

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	20	0.7	0.03	0.71
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	20	0.7	0.03	0.71
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	20	0.7	0.03	0.71
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	20	0.7	0.03	0.71
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	20	0.7	0.01	0.7
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	20	0.7	0.01	0.7
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	20	0.7	0.12	0.66
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	20	0.7	0.01	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	20	0.7	0.01	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	20	0.7	0.01	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	20	0.7	0.01	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	20	0.7	0.01	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	20	0.7	0.01	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	20	0.7	0.0	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	20	0.7	0.0	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	20	0.7	0.0	0.7
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	20	0.7	0.03	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	20	0.7	0.01	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	20	0.7	0.01	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	20	0.7	0.01	0.7
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	20	0.7	0.04	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	20	0.7	0.0	0.7
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	20	0.7	0.04	0.71
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	20	0.7	0.03	0.71
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	20	0.7	0.0	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	20	0.7	0.0	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	20	0.7	0.0	0.7
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	20	0.7	0.01	0.7
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	20	0.7	0.01	0.7
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	20	0.7	0.01	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	20	0.69	0.01	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	20	0.69	0.01	0.7
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	20	0.69	0.02	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	20	0.69	0.0	0.69
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	20	0.69	0.03	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	20	0.69	0.01	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	20	0.69	0.01	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	20	0.69	0.01	0.69
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	20	0.69	0.02	0.69
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	20	0.69	0.02	0.69
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	20	0.69	0.02	0.69
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	20	0.69	0.16	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	20	0.69	0.0	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	20	0.69	0.0	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	20	0.69	0.0	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	20	0.69	0.0	0.69
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	20	0.69	0.03	0.7
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	20	0.69	0.01	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	20	0.69	0.01	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	20	0.69	0.01	0.69
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	20	0.69	0.03	0.68
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	20	0.69	0.03	0.68
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	20	0.69	0.03	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	20	0.68	0.0	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	20	0.68	0.0	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	20	0.68	0.0	0.68
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	20	0.68	0.01	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	20	0.68	0.01	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	20	0.68	0.01	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	20	0.68	0.01	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	20	0.68	0.01	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	20	0.68	0.01	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	20	0.68	0.01	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	20	0.68	0.01	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	20	0.68	0.01	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	20	0.68	0.01	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	20	0.68	0.01	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	20	0.68	0.01	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	20	0.68	0.01	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	20	0.68	0.01	0.68
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	20	0.68	0.03	0.68
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	20	0.68	0.05	0.7
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	20	0.68	0.0	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	20	0.68	0.0	0.68
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	20	0.68	0.04	0.69
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	20	0.68	0.04	0.66
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	20	0.68	0.01	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	20	0.68	0.01	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	20	0.68	0.01	0.67
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	20	0.68	0.01	0.68
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	20	0.67	0.02	0.68
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	20	0.67	0.02	0.68
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	20	0.67	0.02	0.68
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	20	0.67	0.01	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	20	0.67	0.02	0.67
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	20	0.67	0.03	0.68
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	20	0.67	0.03	0.68
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	20	0.67	0.03	0.68
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	20	0.67	0.0	0.67
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	20	0.67	0.02	0.67
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	20	0.67	0.01	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	20	0.67	0.0	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	20	0.67	0.0	0.67
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	20	0.67	0.03	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	20	0.67	0.01	0.67
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	20	0.67	0.02	0.67
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	20	0.67	0.02	0.67
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	20	0.67	0.02	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	20	0.67	0.01	0.67
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	20	0.67	0.01	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	20	0.67	0.0	0.67
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	20	0.66	0.07	0.68
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	20	0.66	0.0	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	20	0.66	0.0	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	20	0.66	0.0	0.66
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	20	0.66	0.02	0.67
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	20	0.66	0.0	0.66
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	20	0.66	0.02	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	20	0.66	0.0	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	20	0.66	0.01	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	20	0.65	0.01	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	20	0.65	0.01	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	20	0.65	0.01	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	20	0.65	0.01	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	20	0.65	0.01	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	20	0.65	0.01	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	20	0.65	0.01	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	20	0.65	0.01	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	20	0.65	0.01	0.65
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	20	0.65	0.02	0.65
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	20	0.65	0.03	0.66
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	20	0.65	0.03	0.66
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	20	0.65	0.03	0.66
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	20	0.65	0.01	0.65
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	20	0.65	0.02	0.66
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	20	0.64	0.02	0.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	20	0.64	0.03	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	20	0.64	0.0	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	20	0.64	0.0	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	20	0.64	0.0	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	20	0.64	0.0	0.64
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	20	0.64	0.07	0.63
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	20	0.64	0.11	0.71
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	20	0.64	0.11	0.71
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	20	0.64	0.11	0.71
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	20	0.64	0.11	0.71
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	20	0.64	0.11	0.71
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	20	0.64	0.11	0.71
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	20	0.64	0.01	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	20	0.64	0.01	0.64
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	20	0.64	0.01	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	20	0.64	0.02	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	20	0.64	0.02	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	20	0.64	0.02	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	20	0.64	0.03	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	20	0.64	0.03	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	20	0.64	0.03	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	20	0.64	0.01	0.64
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	20	0.64	0.01	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	20	0.63	0.02	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	20	0.63	0.02	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	20	0.63	0.02	0.64
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	20	0.63	0.02	0.63
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	20	0.63	0.02	0.63
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	20	0.63	0.02	0.63
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	20	0.63	0.02	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	20	0.63	0.01	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	20	0.63	0.01	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	20	0.63	0.01	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	20	0.63	0.01	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	20	0.63	0.0	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	20	0.63	0.0	0.63
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	20	0.63	0.07	0.63
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	20	0.63	0.01	0.63
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	20	0.63	0.01	0.63
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	20	0.63	0.01	0.63
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	20	0.63	0.01	0.63
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	20	0.63	0.03	0.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	20	0.63	0.01	0.63
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	20	0.63	0.04	0.64
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	20	0.62	0.01	0.62
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	20	0.62	0.09	0.6
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	20	0.62	0.03	0.63
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	20	0.62	0.03	0.63
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	20	0.62	0.03	0.63
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	20	0.62	0.05	0.64
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	20	0.62	0.01	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	20	0.62	0.01	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	20	0.62	0.01	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	20	0.62	0.0	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	20	0.62	0.0	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	20	0.62	0.0	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	20	0.62	0.0	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	20	0.62	0.01	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	20	0.62	0.01	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	20	0.62	0.01	0.62
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	20	0.62	0.04	0.61
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	20	0.62	0.03	0.62
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	20	0.62	0.03	0.62
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	20	0.62	0.03	0.63
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	20	0.62	0.01	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	20	0.62	0.01	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	20	0.62	0.01	0.62
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	20	0.62	0.05	0.6
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	20	0.62	0.16	0.64
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	20	0.62	0.01	0.61
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	20	0.61	0.08	0.62
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	20	0.61	0.01	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	20	0.61	0.0	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	20	0.61	0.0	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	20	0.61	0.0	0.61
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	20	0.61	0.07	0.6
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	20	0.61	0.03	0.59
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	20	0.61	0.03	0.59
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	20	0.61	0.0	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	20	0.61	0.01	0.61
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	20	0.61	0.01	0.61
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	20	0.61	0.02	0.6
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	20	0.61	0.03	0.62
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	20	0.61	0.04	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	20	0.61	0.04	0.6
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	20	0.61	0.04	0.6
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	20	0.61	0.07	0.57
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	20	0.6	0.03	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	20	0.6	0.0	0.6
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	20	0.6	0.03	0.6
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	20	0.6	0.03	0.6
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	20	0.6	0.03	0.6
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	20	0.6	0.02	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	20	0.6	0.0	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	20	0.6	0.0	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	20	0.6	0.0	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	20	0.6	0.0	0.6
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	20	0.6	0.01	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	20	0.6	0.01	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	20	0.6	0.02	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	20	0.6	0.02	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	20	0.6	0.02	0.6
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	20	0.6	0.02	0.61
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	20	0.6	0.02	0.6
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	20	0.6	0.02	0.6
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	20	0.6	0.02	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	20	0.6	0.01	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	20	0.6	0.01	0.6
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	20	0.6	0.01	0.6
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	20	0.6	0.09	0.61
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	20	0.6	0.0	0.6
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	20	0.6	0.03	0.61
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	20	0.6	0.03	0.61
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	20	0.6	0.03	0.61
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	20	0.6	0.05	0.6
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	20	0.6	0.07	0.6
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	20	0.6	0.05	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	20	0.59	0.01	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	20	0.59	0.01	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	20	0.59	0.01	0.6
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	20	0.59	0.02	0.59
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	20	0.59	0.02	0.59
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	20	0.59	0.02	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	20	0.59	0.01	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	20	0.59	0.0	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	20	0.59	0.0	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	20	0.59	0.0	0.59
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	20	0.59	0.1	0.57
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	20	0.59	0.01	0.58
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	20	0.59	0.21	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	20	0.59	0.21	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	20	0.59	0.21	0.5
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	20	0.59	0.03	0.59
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	20	0.59	0.1	0.55
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	20	0.59	0.1	0.55
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	20	0.59	0.1	0.55
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	20	0.59	0.01	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	20	0.59	0.01	0.59
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	20	0.59	0.02	0.59
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	20	0.59	0.02	0.59
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	20	0.59	0.02	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	20	0.59	0.03	0.58
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	20	0.59	0.03	0.58
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	20	0.59	0.03	0.58
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	20	0.59	0.05	0.57
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	20	0.59	0.1	0.58
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	20	0.59	0.1	0.58
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	20	0.59	0.1	0.58
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	20	0.59	0.0	0.59
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	20	0.59	0.19	0.54
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	20	0.59	0.02	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	20	0.59	0.02	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	20	0.59	0.02	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	20	0.58	0.01	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	20	0.58	0.01	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	20	0.58	0.01	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	20	0.58	0.01	0.58
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	20	0.58	0.01	0.58
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	20	0.58	0.02	0.57
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	20	0.58	0.01	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	20	0.58	0.01	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	20	0.58	0.01	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	20	0.58	0.01	0.58
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	20	0.58	0.04	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	20	0.58	0.01	0.58
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	20	0.58	0.01	0.58
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	20	0.58	0.02	0.58
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	20	0.58	0.03	0.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	20	0.58	0.0	0.58
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	20	0.58	0.05	0.6
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	20	0.58	0.0	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	20	0.58	0.01	0.58
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	20	0.58	0.01	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	20	0.58	0.01	0.58
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	20	0.58	0.01	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	20	0.58	0.01	0.57
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	20	0.58	0.03	0.59
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	20	0.57	0.05	0.56
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	20	0.57	0.01	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	20	0.57	0.01	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	20	0.57	0.01	0.57
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	20	0.57	0.02	0.57
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	20	0.57	0.02	0.57
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	20	0.57	0.02	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	20	0.57	0.03	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	20	0.57	0.03	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	20	0.57	0.03	0.57
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	20	0.57	0.06	0.6
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	20	0.57	0.0	0.57
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	20	0.57	0.02	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	20	0.57	0.02	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	20	0.57	0.02	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	20	0.57	0.02	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	20	0.57	0.02	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	20	0.57	0.02	0.58
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	20	0.57	0.0	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	20	0.57	0.0	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	20	0.57	0.0	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	20	0.57	0.0	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	20	0.57	0.0	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	20	0.57	0.0	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	20	0.57	0.0	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	20	0.57	0.0	0.57
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	20	0.57	0.03	0.56
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	20	0.57	0.0	0.57
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	20	0.57	0.08	0.57
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	20	0.57	0.03	0.56
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	20	0.57	0.03	0.56
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	20	0.57	0.03	0.56
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	20	0.57	0.02	0.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	20	0.57	0.01	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	20	0.57	0.01	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	20	0.57	0.0	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	20	0.57	0.01	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	20	0.57	0.0	0.57
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	20	0.56	0.05	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	20	0.56	0.0	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	20	0.56	0.0	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	20	0.56	0.0	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	20	0.56	0.01	0.56
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	20	0.56	0.03	0.56
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	20	0.56	0.03	0.56
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	20	0.56	0.03	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	20	0.56	0.01	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	20	0.56	0.01	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	20	0.56	0.01	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	20	0.56	0.0	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	20	0.56	0.01	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	20	0.56	0.01	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	20	0.56	0.01	0.56
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	20	0.56	0.01	0.56
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	20	0.56	0.05	0.56
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	20	0.56	0.03	0.56
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	20	0.56	0.03	0.56
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	20	0.56	0.03	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	20	0.56	0.01	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	20	0.56	0.01	0.56
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	20	0.55	0.05	0.54
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	20	0.55	0.02	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	20	0.55	0.0	0.55
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	20	0.55	0.09	0.57
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	20	0.55	0.01	0.55
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	20	0.55	0.08	0.57
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	20	0.55	0.07	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	20	0.55	0.07	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	20	0.55	0.07	0.54
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	20	0.55	0.01	0.55
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	20	0.55	0.11	0.58
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	20	0.55	0.01	0.55
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	20	0.55	0.02	0.56
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	20	0.55	0.07	0.55
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	20	0.55	0.01	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	20	0.55	0.01	0.55
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	20	0.55	0.01	0.54
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	20	0.55	0.01	0.55
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	20	0.55	0.21	0.48
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	20	0.55	0.03	0.54
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	20	0.55	0.03	0.54
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	20	0.55	0.03	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	20	0.54	0.0	0.54
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	20	0.54	0.03	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	20	0.54	0.0	0.54
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	20	0.54	0.02	0.55
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	20	0.54	0.11	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	20	0.54	0.11	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	20	0.54	0.11	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	20	0.54	0.11	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	20	0.54	0.11	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	20	0.54	0.11	0.61
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	20	0.54	0.0	0.54
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	20	0.54	0.08	0.55
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	20	0.54	0.01	0.54
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	20	0.54	0.01	0.54
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	20	0.54	0.01	0.54
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	20	0.54	0.01	0.54
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	20	0.54	0.01	0.54
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	20	0.54	0.01	0.54
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	20	0.54	0.01	0.54
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	20	0.54	0.01	0.54
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	20	0.54	0.05	0.52
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	20	0.54	0.05	0.52
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	20	0.54	0.05	0.52
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	20	0.54	0.02	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	20	0.54	0.02	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	20	0.54	0.02	0.55
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	20	0.53	0.03	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	20	0.53	0.02	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	20	0.53	0.02	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	20	0.53	0.02	0.53
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	20	0.53	0.03	0.53
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	20	0.53	0.02	0.52
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	20	0.53	0.02	0.53
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	20	0.53	0.02	0.54
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	20	0.53	0.01	0.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	20	0.53	0.03	0.54
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	20	0.53	0.02	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	20	0.53	0.02	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	20	0.53	0.02	0.53
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	20	0.53	0.05	0.53
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	20	0.53	0.05	0.53
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	20	0.53	0.05	0.53
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	20	0.53	0.19	0.46
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	20	0.53	0.01	0.53
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	20	0.53	0.01	0.53
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	20	0.53	0.01	0.53
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	20	0.53	0.01	0.53
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	20	0.53	0.04	0.54
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	20	0.53	0.01	0.53
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	20	0.53	0.01	0.53
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	20	0.53	0.01	0.53
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	20	0.53	0.11	0.51
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	20	0.53	0.01	0.53
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	20	0.53	0.01	0.52
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	20	0.53	0.02	0.52
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	20	0.53	0.02	0.52
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	20	0.52	0.09	0.54
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	20	0.52	0.01	0.52
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	20	0.52	0.09	0.5
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	20	0.52	0.0	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	20	0.52	0.0	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	20	0.52	0.0	0.52
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	20	0.52	0.03	0.54
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	20	0.52	0.03	0.54
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	20	0.52	0.01	0.52
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	20	0.52	0.01	0.52
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	20	0.52	0.01	0.52
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	20	0.52	0.1	0.52
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	20	0.52	0.1	0.52
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	20	0.52	0.1	0.52
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	20	0.52	0.21	0.46
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	20	0.52	0.01	0.52
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	20	0.52	0.01	0.52
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	20	0.52	0.01	0.52
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	20	0.51	0.07	0.52
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	20	0.51	0.01	0.51
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	20	0.51	0.02	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	20	0.51	0.02	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	20	0.51	0.02	0.52
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	20	0.51	0.01	0.51
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	20	0.51	0.01	0.51
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	20	0.51	0.01	0.51
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	20	0.51	0.01	0.51
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	20	0.51	0.01	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	20	0.51	0.01	0.51
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	20	0.51	0.02	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	20	0.51	0.01	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	20	0.51	0.0	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	20	0.51	0.0	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	20	0.51	0.0	0.51
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	20	0.51	0.02	0.5
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	20	0.51	0.02	0.5
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	20	0.51	0.0	0.51
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	20	0.51	0.01	0.5
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	20	0.51	0.09	0.49
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	20	0.51	0.09	0.49
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	20	0.51	0.01	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	20	0.51	0.01	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	20	0.5	0.01	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	20	0.5	0.0	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	20	0.5	0.0	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	20	0.5	0.0	0.5
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	20	0.5	0.02	0.5
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	20	0.5	0.02	0.5
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	20	0.5	0.03	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	20	0.5	0.0	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	20	0.5	0.0	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	20	0.5	0.0	0.5
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	20	0.5	0.04	0.49
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	20	0.5	0.04	0.49
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	20	0.5	0.04	0.49
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	20	0.5	0.01	0.5
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	20	0.5	0.06	0.51
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	20	0.5	0.03	0.5
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	20	0.5	0.03	0.5
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	20	0.5	0.03	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	20	0.5	0.01	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	20	0.5	0.01	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	20	0.5	0.01	0.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	20	0.5	0.01	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	20	0.5	0.01	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	20	0.5	0.01	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	20	0.5	0.0	0.5
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	20	0.5	0.01	0.5
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	20	0.5	0.01	0.5
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	20	0.5	0.01	0.5
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	20	0.49	0.18	0.45
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	20	0.49	0.01	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	20	0.49	0.01	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	20	0.49	0.01	0.5
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	20	0.49	0.04	0.48
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	20	0.49	0.01	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	20	0.49	0.0	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	20	0.49	0.0	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	20	0.49	0.0	0.49
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	20	0.49	0.02	0.48
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	20	0.49	0.0	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	20	0.49	0.0	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	20	0.49	0.0	0.49
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	20	0.49	0.06	0.5
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	20	0.49	0.06	0.5
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	20	0.49	0.06	0.5
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	20	0.49	0.07	0.48
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	20	0.49	0.0	0.49
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	20	0.49	0.03	0.48
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	20	0.49	0.28	0.33
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	20	0.49	0.01	0.49
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	20	0.49	0.03	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	20	0.49	0.0	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	20	0.49	0.0	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	20	0.49	0.0	0.49
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	20	0.49	0.01	0.48
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	20	0.49	0.01	0.48
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	20	0.48	0.04	0.48
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	20	0.48	0.04	0.48
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	20	0.48	0.04	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	20	0.48	0.0	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	20	0.48	0.0	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	20	0.48	0.0	0.48
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	20	0.48	0.01	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	20	0.48	0.0	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	20	0.48	0.0	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	20	0.48	0.0	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	20	0.48	0.0	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	20	0.48	0.0	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	20	0.48	0.01	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	20	0.48	0.01	0.48
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	20	0.48	0.01	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	20	0.48	0.01	0.48
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	20	0.48	0.01	0.48
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	20	0.48	0.02	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	20	0.48	0.01	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	20	0.48	0.01	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	20	0.48	0.01	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	20	0.48	0.0	0.48
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	20	0.48	0.05	0.47
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	20	0.48	0.01	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	20	0.48	0.01	0.48
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	20	0.48	0.03	0.48
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	20	0.48	0.03	0.48
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	20	0.48	0.03	0.48
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	20	0.48	0.04	0.5
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	20	0.48	0.04	0.5
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	20	0.48	0.01	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	20	0.48	0.01	0.48
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	20	0.48	0.06	0.47
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	20	0.47	0.05	0.47
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	20	0.47	0.03	0.48
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	20	0.47	0.03	0.48
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	20	0.47	0.03	0.48
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	20	0.47	0.03	0.48
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	20	0.47	0.08	0.48
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	20	0.47	0.08	0.48
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	20	0.47	0.08	0.48
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	20	0.47	0.01	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	20	0.47	0.0	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	20	0.47	0.0	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	20	0.47	0.0	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	20	0.47	0.02	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	20	0.47	0.02	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	20	0.47	0.02	0.47
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	20	0.47	0.02	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	20	0.47	0.02	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	20	0.47	0.02	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	20	0.47	0.02	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	20	0.47	0.02	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	20	0.47	0.02	0.48
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	20	0.47	0.02	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	20	0.47	0.01	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	20	0.47	0.01	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	20	0.47	0.01	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	20	0.47	0.0	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	20	0.47	0.0	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	20	0.47	0.0	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	20	0.47	0.0	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	20	0.47	0.0	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	20	0.47	0.0	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	20	0.47	0.0	0.47
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	20	0.47	0.02	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	20	0.47	0.03	0.46
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	20	0.47	0.03	0.46
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	20	0.47	0.03	0.46
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	20	0.47	0.0	0.47
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	20	0.47	0.02	0.48
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	20	0.47	0.01	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	20	0.47	0.0	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	20	0.47	0.0	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	20	0.47	0.0	0.47
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	20	0.47	0.03	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	20	0.47	0.0	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	20	0.47	0.0	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	20	0.47	0.0	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	20	0.47	0.01	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	20	0.47	0.02	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	20	0.46	0.01	0.46
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	20	0.46	0.01	0.46
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	20	0.46	0.01	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	20	0.46	0.01	0.46
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	20	0.46	0.03	0.46
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	20	0.46	0.03	0.46
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	20	0.46	0.03	0.46
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	20	0.46	0.04	0.46
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	20	0.46	0.04	0.46
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	20	0.46	0.04	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	20	0.46	0.0	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	20	0.46	0.05	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	20	0.46	0.0	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	20	0.46	0.0	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	20	0.46	0.0	0.46
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	20	0.46	0.06	0.46
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	20	0.46	0.06	0.46
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	20	0.46	0.01	0.46
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	20	0.46	0.03	0.44
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	20	0.46	0.03	0.44
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	20	0.46	0.03	0.44
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	20	0.46	0.04	0.47
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	20	0.46	0.0	0.46
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	20	0.46	0.01	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	20	0.46	0.01	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	20	0.46	0.03	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	20	0.46	0.03	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	20	0.46	0.03	0.46
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	20	0.45	0.01	0.46
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	20	0.45	0.02	0.46
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	20	0.45	0.05	0.44
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	20	0.45	0.02	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	20	0.45	0.01	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	20	0.45	0.01	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	20	0.45	0.01	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	20	0.45	0.01	0.45
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	20	0.45	0.11	0.4
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	20	0.45	0.11	0.4
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	20	0.45	0.09	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	20	0.45	0.01	0.45
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	20	0.45	0.1	0.5
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	20	0.45	0.05	0.44
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	20	0.45	0.05	0.44
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	20	0.45	0.05	0.44
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	20	0.45	0.05	0.44
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	20	0.45	0.05	0.44
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	20	0.45	0.05	0.44
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	20	0.45	0.0	0.45
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	20	0.45	0.01	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	20	0.45	0.0	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	20	0.45	0.0	0.45
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	20	0.45	0.17	0.44
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	20	0.45	0.01	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	20	0.45	0.13	0.48
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	20	0.45	0.0	0.45
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	20	0.45	0.06	0.46
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	20	0.45	0.06	0.46
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	20	0.45	0.06	0.46
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	20	0.45	0.01	0.44
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	20	0.44	0.02	0.44
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	20	0.44	0.02	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	20	0.44	0.0	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	20	0.44	0.01	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	20	0.44	0.0	0.44
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	20	0.44	0.03	0.44
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	20	0.44	0.03	0.44
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	20	0.44	0.03	0.44
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	20	0.44	0.03	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	20	0.44	0.0	0.44
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	20	0.43	0.03	0.44
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	20	0.43	0.03	0.43
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	20	0.43	0.02	0.44
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	20	0.43	0.01	0.43
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	20	0.43	0.02	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	20	0.43	0.0	0.43
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	20	0.43	0.06	0.45
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	20	0.43	0.01	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	20	0.43	0.01	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	20	0.43	0.01	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	20	0.43	0.01	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	20	0.43	0.01	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	20	0.43	0.0	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	20	0.43	0.0	0.43
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	20	0.43	0.02	0.43
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	20	0.43	0.01	0.43
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	20	0.43	0.01	0.42
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	20	0.43	0.04	0.44
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	20	0.43	0.01	0.42
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	20	0.42	0.01	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	20	0.42	0.01	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	20	0.42	0.01	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	20	0.42	0.01	0.43
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	20	0.42	0.05	0.44
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	20	0.42	0.02	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	20	0.42	0.0	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	20	0.42	0.0	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	20	0.42	0.0	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	20	0.42	0.0	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	20	0.42	0.03	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	20	0.42	0.03	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	20	0.42	0.03	0.42
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	20	0.42	0.08	0.39
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	20	0.42	0.06	0.42
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	20	0.42	0.04	0.43
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	20	0.42	0.02	0.42
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	20	0.42	0.05	0.44
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	20	0.42	0.02	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	20	0.42	0.01	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	20	0.42	0.0	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	20	0.42	0.0	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	20	0.42	0.0	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	20	0.42	0.0	0.42
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	20	0.42	0.01	0.42
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	20	0.42	0.01	0.42
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	20	0.42	0.01	0.42
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	20	0.42	0.01	0.42
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	20	0.42	0.02	0.42
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	20	0.42	0.04	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	20	0.42	0.04	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	20	0.42	0.04	0.41
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	20	0.42	0.09	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	20	0.42	0.09	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	20	0.42	0.09	0.38
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	20	0.42	0.01	0.42
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	20	0.42	0.07	0.42
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	20	0.42	0.02	0.42
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	20	0.42	0.03	0.42
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	20	0.42	0.03	0.42
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	20	0.42	0.03	0.42
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	20	0.42	0.03	0.42
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	20	0.42	0.03	0.42
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	20	0.42	0.03	0.42
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	20	0.42	0.04	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	20	0.41	0.02	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	20	0.41	0.02	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	20	0.41	0.02	0.42
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	20	0.41	0.01	0.41

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	20	0.41	0.02	0.41
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	20	0.41	0.02	0.41
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	20	0.41	0.04	0.42
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	20	0.41	0.04	0.42
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	20	0.41	0.04	0.42
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	20	0.41	0.01	0.41
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	20	0.41	0.03	0.4
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	20	0.41	0.03	0.41
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	20	0.41	0.03	0.41
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	20	0.41	0.03	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	20	0.41	0.01	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	20	0.41	0.0	0.41
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	20	0.41	0.03	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	20	0.41	0.03	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	20	0.41	0.03	0.42
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	20	0.41	0.01	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	20	0.41	0.0	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	20	0.41	0.0	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	20	0.41	0.0	0.41
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	20	0.41	0.01	0.41
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	20	0.41	0.03	0.41
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	20	0.41	0.03	0.41
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	20	0.41	0.03	0.4
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	20	0.41	0.01	0.41
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	20	0.41	0.03	0.4
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	20	0.41	0.02	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	20	0.41	0.01	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	20	0.41	0.01	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	20	0.41	0.01	0.41
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	20	0.41	0.01	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	20	0.41	0.0	0.41
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	20	0.41	0.04	0.41
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	20	0.41	0.01	0.4
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	20	0.41	0.0	0.41
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	20	0.41	0.01	0.4
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	20	0.41	0.09	0.37
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	20	0.4	0.13	0.49
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	20	0.4	0.01	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	20	0.4	0.0	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	20	0.4	0.0	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	20	0.4	0.0	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	20	0.4	0.0	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	20	0.4	0.01	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	20	0.4	0.0	0.4
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	20	0.4	0.01	0.4
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	20	0.4	0.02	0.4
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	20	0.4	0.02	0.4
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	20	0.4	0.02	0.4
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	20	0.4	0.04	0.41
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	20	0.4	0.14	0.36
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	20	0.4	0.02	0.4
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	20	0.4	0.05	0.41
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	20	0.4	0.0	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	20	0.4	0.0	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	20	0.4	0.0	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	20	0.4	0.02	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	20	0.4	0.02	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	20	0.4	0.02	0.4
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	20	0.4	0.01	0.4
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	20	0.4	0.03	0.4
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	20	0.4	0.03	0.4
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	20	0.4	0.01	0.4
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	20	0.4	0.01	0.4
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	20	0.4	0.03	0.41
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	20	0.4	0.03	0.41
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	20	0.4	0.03	0.41
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	20	0.4	0.07	0.38
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	20	0.39	0.34	0.16
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	20	0.39	0.01	0.39
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	20	0.39	0.02	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	20	0.39	0.03	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	20	0.39	0.03	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	20	0.39	0.03	0.39
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	20	0.39	0.02	0.38
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	20	0.39	0.01	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	20	0.39	0.01	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	20	0.39	0.01	0.4
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	20	0.39	0.02	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	20	0.39	0.02	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	20	0.39	0.02	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	20	0.39	0.02	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	20	0.39	0.02	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	20	0.39	0.02	0.39
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	20	0.39	0.02	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	20	0.39	0.02	0.39
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	20	0.39	0.02	0.39
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	20	0.39	0.02	0.39
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	20	0.39	0.07	0.42
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	20	0.39	0.01	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	20	0.39	0.0	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	20	0.39	0.0	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	20	0.39	0.0	0.39
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	20	0.39	0.01	0.39
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	20	0.39	0.01	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	20	0.39	0.02	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	20	0.39	0.02	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	20	0.39	0.02	0.39
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	20	0.39	0.02	0.39
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	20	0.39	0.11	0.38
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	20	0.39	0.01	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	20	0.39	0.01	0.39
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	20	0.39	0.09	0.4
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	20	0.39	0.0	0.39
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	20	0.39	0.02	0.38
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	20	0.39	0.05	0.38
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	20	0.39	0.04	0.39
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	20	0.39	0.02	0.38
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	20	0.38	0.02	0.38
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	20	0.38	0.06	0.38
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	20	0.38	0.06	0.38
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	20	0.38	0.06	0.38
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	20	0.38	0.03	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	20	0.38	0.01	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	20	0.38	0.01	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	20	0.38	0.01	0.38
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	20	0.38	0.01	0.38
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	20	0.38	0.03	0.38
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	20	0.38	0.03	0.38
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	20	0.38	0.03	0.38
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	20	0.38	0.04	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	20	0.38	0.0	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	20	0.38	0.0	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	20	0.38	0.0	0.38
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	20	0.38	0.04	0.38
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	20	0.38	0.04	0.38
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	20	0.38	0.04	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	20	0.38	0.02	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	20	0.38	0.01	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	20	0.38	0.01	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	20	0.38	0.01	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	20	0.38	0.01	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	20	0.38	0.01	0.38
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	20	0.38	0.02	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	20	0.38	0.02	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	20	0.38	0.02	0.37
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	20	0.38	0.02	0.38
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	20	0.38	0.02	0.38
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	20	0.38	0.02	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	20	0.38	0.01	0.38
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	20	0.38	0.04	0.38
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	20	0.38	0.02	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	20	0.37	0.01	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	20	0.37	0.01	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	20	0.37	0.01	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	20	0.37	0.01	0.37
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	20	0.37	0.04	0.38
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	20	0.37	0.04	0.38
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	20	0.37	0.04	0.38
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	20	0.37	0.03	0.36
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	20	0.37	0.0	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	20	0.37	0.01	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	20	0.37	0.0	0.37
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	20	0.37	0.03	0.37
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	20	0.37	0.02	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	20	0.37	0.0	0.37
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	20	0.37	0.01	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	20	0.37	0.01	0.37
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	20	0.37	0.05	0.38
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	20	0.37	0.0	0.37
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	20	0.37	0.06	0.39
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	20	0.37	0.02	0.36
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	20	0.37	0.02	0.36
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	20	0.37	0.05	0.37
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	20	0.37	0.02	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	20	0.37	0.02	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	20	0.37	0.02	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	20	0.37	0.02	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	20	0.37	0.02	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	20	0.37	0.02	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	20	0.37	0.02	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	20	0.37	0.02	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	20	0.37	0.02	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	20	0.37	0.01	0.36
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	20	0.36	0.01	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	20	0.36	0.01	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	20	0.36	0.0	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	20	0.36	0.0	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	20	0.36	0.0	0.36
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	20	0.36	0.02	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	20	0.36	0.02	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	20	0.36	0.02	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	20	0.36	0.02	0.36
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	20	0.36	0.07	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	20	0.36	0.07	0.41
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	20	0.36	0.01	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	20	0.36	0.01	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	20	0.36	0.01	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	20	0.36	0.02	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	20	0.36	0.02	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	20	0.36	0.02	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	20	0.36	0.0	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	20	0.36	0.0	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	20	0.36	0.0	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	20	0.36	0.0	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	20	0.36	0.0	0.36
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	20	0.36	0.02	0.36
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	20	0.36	0.01	0.36
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	20	0.36	0.06	0.36
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	20	0.36	0.05	0.36
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	20	0.36	0.05	0.36
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	20	0.36	0.05	0.36
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	20	0.36	0.01	0.36
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	20	0.36	0.01	0.36
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	20	0.35	0.02	0.35
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	20	0.35	0.06	0.36
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	20	0.35	0.0	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	20	0.35	0.01	0.35
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	20	0.35	0.01	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	20	0.35	0.01	0.35
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	20	0.35	0.01	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	20	0.35	0.01	0.35
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	20	0.35	0.01	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	20	0.35	0.0	0.35
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	20	0.35	0.07	0.34
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	20	0.35	0.07	0.34
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	20	0.35	0.07	0.34
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	20	0.35	0.04	0.36
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	20	0.35	0.04	0.36
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	20	0.35	0.02	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	20	0.35	0.0	0.35
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	20	0.35	0.12	0.32
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	20	0.35	0.0	0.35
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	20	0.35	0.03	0.35
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	20	0.35	0.01	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	20	0.35	0.01	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	20	0.35	0.0	0.35
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	20	0.35	0.03	0.34
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	20	0.35	0.02	0.34
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	20	0.35	0.02	0.34
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	20	0.35	0.02	0.34
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	20	0.35	0.01	0.35
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	20	0.35	0.01	0.34
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	20	0.35	0.01	0.34
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	20	0.35	0.04	0.34
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	20	0.35	0.03	0.34
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	20	0.35	0.02	0.34
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	20	0.35	0.02	0.34
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	20	0.35	0.02	0.34
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	20	0.34	0.02	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	20	0.34	0.01	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	20	0.34	0.01	0.34
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	20	0.34	0.08	0.3
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	20	0.34	0.03	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	20	0.34	0.02	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	20	0.34	0.02	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	20	0.34	0.02	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	20	0.34	0.02	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	20	0.34	0.02	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	20	0.34	0.02	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	20	0.34	0.02	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	20	0.34	0.02	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	20	0.34	0.02	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	20	0.34	0.01	0.34
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	20	0.34	0.02	0.34
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	20	0.34	0.01	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	20	0.34	0.01	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	20	0.34	0.01	0.34
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	20	0.34	0.02	0.34
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	20	0.34	0.02	0.34
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	20	0.33	0.06	0.33
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	20	0.33	0.02	0.34
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	20	0.33	0.02	0.34
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	20	0.33	0.03	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	20	0.33	0.0	0.33
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	20	0.33	0.07	0.31
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	20	0.33	0.07	0.31
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	20	0.33	0.01	0.33
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	20	0.33	0.02	0.32
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	20	0.33	0.02	0.32
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	20	0.33	0.02	0.32
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	20	0.33	0.01	0.33
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	20	0.33	0.01	0.33
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	20	0.33	0.07	0.35
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	20	0.33	0.07	0.35
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	20	0.33	0.07	0.35
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	20	0.33	0.01	0.33
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	20	0.33	0.07	0.34
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	20	0.33	0.02	0.33
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	20	0.33	0.01	0.32
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	20	0.32	0.02	0.32
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	20	0.32	0.03	0.32
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	20	0.32	0.01	0.32
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	20	0.32	0.06	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	20	0.32	0.02	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	20	0.32	0.02	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	20	0.32	0.0	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	20	0.32	0.0	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	20	0.32	0.0	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	20	0.32	0.0	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	20	0.32	0.01	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	20	0.32	0.01	0.32
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	20	0.32	0.06	0.34
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	20	0.32	0.0	0.32
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	20	0.32	0.02	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	20	0.32	0.24	0.16
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	20	0.32	0.01	0.32
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	20	0.32	0.04	0.32
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	20	0.32	0.04	0.32
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	20	0.32	0.04	0.32
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	20	0.32	0.04	0.32
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	20	0.32	0.04	0.32
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	20	0.32	0.04	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	20	0.32	0.01	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	20	0.32	0.01	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	20	0.32	0.01	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	20	0.32	0.01	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	20	0.32	0.01	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	20	0.32	0.01	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	20	0.32	0.01	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	20	0.32	0.01	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	20	0.32	0.01	0.32
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	20	0.32	0.01	0.32
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	20	0.32	0.04	0.32
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	20	0.32	0.04	0.31
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	20	0.31	0.03	0.33
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	20	0.31	0.04	0.31
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	20	0.31	0.04	0.31
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	20	0.31	0.04	0.31
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	20	0.31	0.04	0.32
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	20	0.31	0.04	0.32
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	20	0.31	0.04	0.32
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	20	0.31	0.03	0.32
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	20	0.31	0.03	0.32
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	20	0.31	0.03	0.32
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	20	0.31	0.02	0.3
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	20	0.31	0.02	0.3
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	20	0.31	0.01	0.31
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	20	0.31	0.03	0.3
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	20	0.31	0.03	0.3
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	20	0.31	0.03	0.3
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	20	0.31	0.0	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	20	0.31	0.0	0.31
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	20	0.31	0.02	0.32
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	20	0.31	0.03	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	20	0.31	0.0	0.31
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	20	0.31	0.02	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	20	0.31	0.02	0.31
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	20	0.31	0.02	0.31
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	20	0.31	0.03	0.31
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	20	0.31	0.02	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	20	0.31	0.02	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	20	0.31	0.02	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	20	0.31	0.02	0.31
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	20	0.31	0.01	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	20	0.31	0.01	0.3
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	20	0.3	0.01	0.3
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	20	0.3	0.01	0.3
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	20	0.3	0.01	0.3
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	20	0.3	0.12	0.22
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	20	0.3	0.01	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	20	0.3	0.0	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	20	0.3	0.0	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	20	0.3	0.0	0.3
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	20	0.3	0.07	0.29
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	20	0.3	0.07	0.29
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	20	0.3	0.07	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	20	0.3	0.01	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	20	0.3	0.01	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	20	0.3	0.01	0.3
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	20	0.3	0.06	0.26
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	20	0.3	0.06	0.26
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	20	0.3	0.06	0.26
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	20	0.3	0.06	0.26
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	20	0.3	0.06	0.26
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	20	0.3	0.06	0.26
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	20	0.3	0.02	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	20	0.3	0.01	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	20	0.3	0.01	0.3
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	20	0.3	0.04	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	20	0.3	0.04	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	20	0.3	0.04	0.29
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	20	0.3	0.01	0.3
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	20	0.3	0.04	0.31
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	20	0.3	0.04	0.31
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	20	0.3	0.04	0.31
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	20	0.3	0.06	0.28
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	20	0.3	0.0	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	20	0.3	0.01	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	20	0.3	0.0	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	20	0.3	0.0	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	20	0.3	0.0	0.3
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	20	0.3	0.02	0.3
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	20	0.29	0.01	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	20	0.29	0.01	0.29
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	20	0.29	0.02	0.29
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	20	0.29	0.04	0.3
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	20	0.29	0.04	0.3
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	20	0.29	0.04	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	20	0.29	0.04	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	20	0.29	0.04	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	20	0.29	0.04	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	20	0.29	0.01	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	20	0.29	0.01	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	20	0.29	0.01	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	20	0.29	0.0	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	20	0.29	0.0	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	20	0.29	0.0	0.29
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	20	0.29	0.01	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	20	0.29	0.01	0.29
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	20	0.29	0.03	0.29
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	20	0.29	0.05	0.29
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	20	0.29	0.01	0.29
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	20	0.29	0.02	0.29
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	20	0.29	0.02	0.29
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	20	0.29	0.02	0.29
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	20	0.29	0.05	0.3
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	20	0.29	0.01	0.29
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	20	0.28	0.06	0.26
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	20	0.28	0.02	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	20	0.28	0.01	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	20	0.28	0.01	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	20	0.28	0.01	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	20	0.28	0.01	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	20	0.28	0.01	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	20	0.28	0.01	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	20	0.28	0.01	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	20	0.28	0.01	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	20	0.28	0.01	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	20	0.28	0.01	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	20	0.28	0.01	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	20	0.28	0.01	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	20	0.28	0.01	0.28
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	20	0.28	0.03	0.28
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	20	0.28	0.03	0.28
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	20	0.28	0.01	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	20	0.28	0.0	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	20	0.28	0.0	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	20	0.28	0.0	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	20	0.28	0.0	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	20	0.28	0.0	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	20	0.28	0.0	0.28
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	20	0.28	0.01	0.28
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	20	0.28	0.01	0.27
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	20	0.28	0.04	0.26
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	20	0.28	0.0	0.28
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	20	0.28	0.02	0.27
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	20	0.28	0.02	0.27
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	20	0.28	0.02	0.27
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	20	0.27	0.01	0.28
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	20	0.27	0.01	0.27
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	20	0.27	0.01	0.27
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	20	0.27	0.01	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	20	0.27	0.0	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	20	0.27	0.0	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	20	0.27	0.0	0.27
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	20	0.27	0.03	0.27
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	20	0.27	0.01	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	20	0.27	0.0	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	20	0.27	0.0	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	20	0.27	0.0	0.27
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	20	0.27	0.04	0.28
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	20	0.27	0.04	0.28
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	20	0.27	0.01	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	20	0.27	0.01	0.27
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	20	0.27	0.03	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	20	0.27	0.0	0.27
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	20	0.27	0.02	0.27
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	20	0.27	0.02	0.27
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	20	0.27	0.02	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	20	0.27	0.02	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	20	0.27	0.02	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	20	0.27	0.02	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	20	0.26	0.01	0.26
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	20	0.26	0.02	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	20	0.26	0.0	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	20	0.26	0.0	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	20	0.26	0.0	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	20	0.26	0.01	0.26
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	20	0.26	0.04	0.26
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	20	0.26	0.04	0.26
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	20	0.26	0.04	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	20	0.26	0.01	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	20	0.26	0.01	0.26
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	20	0.26	0.03	0.27
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	20	0.26	0.03	0.26
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	20	0.26	0.02	0.25
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	20	0.26	0.02	0.26
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	20	0.26	0.02	0.26
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	20	0.26	0.02	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	20	0.26	0.0	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	20	0.26	0.01	0.26
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	20	0.26	0.01	0.26
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	20	0.25	0.02	0.25
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	20	0.25	0.02	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	20	0.25	0.02	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	20	0.25	0.02	0.26
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	20	0.25	0.0	0.25
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	20	0.25	0.02	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	20	0.25	0.0	0.25
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	20	0.25	0.03	0.25
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	20	0.25	0.03	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	20	0.25	0.0	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	20	0.25	0.0	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	20	0.25	0.01	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	20	0.25	0.0	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	20	0.25	0.01	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	20	0.25	0.01	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	20	0.25	0.01	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	20	0.25	0.01	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	20	0.25	0.01	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	20	0.25	0.01	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	20	0.25	0.01	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	20	0.25	0.01	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	20	0.25	0.01	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	20	0.25	0.04	0.26
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	20	0.25	0.0	0.25
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	20	0.25	0.03	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	20	0.25	0.01	0.25
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	20	0.25	0.04	0.24
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	20	0.25	0.0	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	20	0.25	0.01	0.25
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	20	0.25	0.03	0.24
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	20	0.25	0.02	0.24
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	20	0.24	0.03	0.24
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	20	0.24	0.12	0.19
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	20	0.24	0.01	0.24
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	20	0.24	0.04	0.24
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	20	0.24	0.04	0.24
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	20	0.24	0.04	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	20	0.24	0.0	0.24
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	20	0.24	0.02	0.24
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	20	0.24	0.01	0.24
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	20	0.24	0.02	0.24
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	20	0.24	0.02	0.24
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	20	0.24	0.02	0.24
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	20	0.24	0.05	0.26
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	20	0.24	0.01	0.24
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	20	0.24	0.01	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	20	0.24	0.01	0.23
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	20	0.24	0.01	0.24
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	20	0.23	0.04	0.24
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	20	0.23	0.01	0.24
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	20	0.23	0.01	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	20	0.23	0.01	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	20	0.23	0.01	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	20	0.23	0.01	0.24
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	20	0.23	0.01	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	20	0.23	0.01	0.23
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	20	0.23	0.01	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	20	0.23	0.01	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	20	0.23	0.01	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	20	0.23	0.01	0.23
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	20	0.23	0.01	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	20	0.23	0.01	0.23
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	20	0.23	0.02	0.24
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	20	0.23	0.02	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	20	0.23	0.02	0.23
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	20	0.23	0.04	0.24
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	20	0.23	0.04	0.24
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	20	0.23	0.04	0.24
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	20	0.23	0.04	0.22
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	20	0.23	0.04	0.22
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	20	0.23	0.06	0.22
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	20	0.23	0.0	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	20	0.23	0.0	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	20	0.23	0.0	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	20	0.23	0.0	0.23
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	20	0.23	0.05	0.24
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	20	0.23	0.02	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	20	0.23	0.0	0.23
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	20	0.23	0.03	0.23
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	20	0.23	0.03	0.23
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	20	0.23	0.03	0.23
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	20	0.23	0.01	0.23
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	20	0.23	0.03	0.22
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	20	0.22	0.01	0.23
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	20	0.22	0.01	0.23
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	20	0.22	0.01	0.23
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	20	0.22	0.02	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	20	0.22	0.01	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	20	0.22	0.02	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	20	0.22	0.02	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	20	0.22	0.02	0.22
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	20	0.22	0.01	0.22
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	20	0.22	0.03	0.23
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	20	0.22	0.01	0.22
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	20	0.22	0.02	0.22
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	20	0.22	0.03	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	20	0.22	0.0	0.22
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	20	0.22	0.05	0.2
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	20	0.21	0.03	0.22
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	20	0.21	0.01	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	20	0.21	0.0	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	20	0.21	0.0	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	20	0.21	0.0	0.21
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	20	0.21	0.04	0.2
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	20	0.21	0.09	0.16
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	20	0.21	0.0	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	20	0.21	0.0	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	20	0.21	0.0	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	20	0.21	0.0	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	20	0.21	0.01	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	20	0.21	0.0	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	20	0.21	0.0	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	20	0.21	0.0	0.21
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	20	0.21	0.01	0.21
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	20	0.21	0.03	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	20	0.21	0.03	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	20	0.21	0.03	0.2
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	20	0.21	0.09	0.18
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	20	0.21	0.09	0.18
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	20	0.21	0.09	0.18
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	20	0.21	0.01	0.2
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	20	0.21	0.0	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	20	0.2	0.01	0.2
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	20	0.2	0.02	0.2
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	20	0.2	0.01	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	20	0.2	0.02	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	20	0.2	0.02	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	20	0.2	0.02	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	20	0.2	0.02	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	20	0.2	0.02	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	20	0.2	0.02	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	20	0.2	0.02	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	20	0.2	0.02	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	20	0.2	0.02	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	20	0.2	0.01	0.2
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	20	0.2	0.01	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	20	0.2	0.01	0.2
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	20	0.2	0.04	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	20	0.2	0.0	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	20	0.2	0.01	0.2
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	20	0.2	0.02	0.2
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	20	0.2	0.02	0.2
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	20	0.2	0.02	0.2
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	20	0.2	0.03	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	20	0.2	0.0	0.2
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	20	0.2	0.02	0.21
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	20	0.2	0.01	0.2
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	20	0.2	0.02	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	20	0.2	0.03	0.19
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	20	0.2	0.01	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	20	0.2	0.03	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	20	0.2	0.03	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	20	0.2	0.03	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	20	0.2	0.01	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	20	0.2	0.01	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	20	0.2	0.01	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	20	0.2	0.01	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	20	0.2	0.01	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	20	0.2	0.01	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	20	0.2	0.01	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	20	0.2	0.01	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	20	0.2	0.01	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	20	0.2	0.01	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	20	0.2	0.01	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	20	0.2	0.01	0.2
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	20	0.2	0.02	0.2
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	20	0.19	0.05	0.18
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	20	0.19	0.02	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	20	0.19	0.0	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	20	0.19	0.0	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	20	0.19	0.0	0.19
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	20	0.19	0.01	0.2
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	20	0.19	0.01	0.2
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	20	0.19	0.01	0.2
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	20	0.19	0.01	0.2
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	20	0.19	0.01	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	20	0.19	0.0	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	20	0.19	0.0	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	20	0.19	0.0	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	20	0.19	0.01	0.19
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	20	0.19	0.02	0.19
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	20	0.19	0.02	0.19
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	20	0.19	0.02	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	20	0.19	0.0	0.19
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	20	0.19	0.04	0.2
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	20	0.19	0.0	0.19
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	20	0.19	0.02	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	20	0.19	0.0	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	20	0.19	0.0	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	20	0.19	0.0	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	20	0.19	0.03	0.2
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	20	0.19	0.01	0.19
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	20	0.19	0.02	0.19
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	20	0.19	0.02	0.19
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	20	0.19	0.02	0.19
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	20	0.19	0.02	0.18
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	20	0.19	0.01	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	20	0.19	0.01	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	20	0.19	0.01	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	20	0.19	0.01	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	20	0.19	0.01	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	20	0.19	0.01	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	20	0.19	0.0	0.19
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	20	0.18	0.01	0.18
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	20	0.18	0.01	0.18
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	20	0.18	0.01	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	20	0.18	0.01	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	20	0.18	0.01	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	20	0.18	0.01	0.18
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	20	0.18	0.05	0.18
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	20	0.18	0.05	0.18
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	20	0.18	0.05	0.18
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	20	0.18	0.03	0.18
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	20	0.18	0.02	0.18
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	20	0.18	0.02	0.18
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	20	0.18	0.02	0.18
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	20	0.18	0.04	0.17
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	20	0.18	0.06	0.16
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	20	0.18	0.0	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	20	0.18	0.01	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	20	0.18	0.01	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	20	0.18	0.01	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	20	0.18	0.01	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	20	0.18	0.01	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	20	0.18	0.01	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	20	0.18	0.01	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	20	0.18	0.01	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	20	0.18	0.01	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	20	0.18	0.01	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	20	0.18	0.01	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	20	0.18	0.01	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	20	0.18	0.01	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	20	0.18	0.01	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	20	0.18	0.01	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	20	0.18	0.01	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	20	0.18	0.01	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	20	0.18	0.01	0.18
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	20	0.18	0.02	0.18
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	20	0.18	0.02	0.18
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	20	0.18	0.02	0.18
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	20	0.18	0.02	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	20	0.18	0.02	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	20	0.18	0.02	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	20	0.18	0.02	0.18
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	20	0.17	0.01	0.17
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	20	0.17	0.03	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	20	0.17	0.0	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	20	0.17	0.01	0.17
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	20	0.17	0.02	0.17
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	20	0.17	0.02	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	20	0.17	0.02	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	20	0.17	0.02	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	20	0.17	0.01	0.17
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	20	0.17	0.03	0.17
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	20	0.17	0.03	0.17
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	20	0.17	0.03	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	20	0.17	0.0	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	20	0.17	0.0	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	20	0.17	0.0	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	20	0.17	0.0	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	20	0.17	0.0	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	20	0.17	0.0	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	20	0.17	0.0	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	20	0.17	0.0	0.17
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	20	0.17	0.06	0.16
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	20	0.17	0.01	0.17
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	20	0.17	0.01	0.16
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	20	0.17	0.0	0.17
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	20	0.17	0.03	0.16
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	20	0.17	0.0	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	20	0.17	0.0	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	20	0.17	0.0	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	20	0.17	0.0	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	20	0.17	0.01	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	20	0.17	0.01	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	20	0.16	0.01	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	20	0.16	0.01	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	20	0.16	0.01	0.16
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	20	0.16	0.02	0.17
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	20	0.16	0.05	0.14
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	20	0.16	0.05	0.14
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	20	0.16	0.05	0.14
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	20	0.16	0.02	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	20	0.16	0.0	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	20	0.16	0.0	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	20	0.16	0.0	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	20	0.16	0.01	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	20	0.16	0.01	0.16
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	20	0.16	0.01	0.16
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	20	0.16	0.01	0.16
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	20	0.16	0.01	0.16
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	20	0.16	0.01	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	20	0.16	0.01	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	20	0.16	0.01	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	20	0.16	0.01	0.16
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	20	0.16	0.01	0.16
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	20	0.16	0.03	0.17
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	20	0.16	0.0	0.16
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	20	0.16	0.01	0.16
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	20	0.16	0.01	0.16
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	20	0.16	0.03	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	20	0.15	0.0	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	20	0.15	0.0	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	20	0.15	0.0	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	20	0.15	0.01	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	20	0.15	0.01	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	20	0.15	0.01	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	20	0.15	0.01	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	20	0.15	0.01	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	20	0.15	0.01	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	20	0.15	0.01	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	20	0.15	0.01	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	20	0.15	0.01	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	20	0.15	0.01	0.15
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	20	0.15	0.04	0.14
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	20	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	20	0.15	0.01	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	20	0.15	0.0	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	20	0.15	0.0	0.15
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	20	0.15	0.01	0.15
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	20	0.15	0.01	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	20	0.15	0.0	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	20	0.15	0.0	0.15
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	20	0.15	0.02	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	20	0.15	0.01	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	20	0.15	0.01	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	20	0.15	0.01	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	20	0.15	0.01	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	20	0.15	0.01	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	20	0.15	0.01	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	20	0.15	0.01	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	20	0.15	0.01	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	20	0.15	0.01	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	20	0.15	0.0	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	20	0.15	0.01	0.15
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	20	0.15	0.02	0.15
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	20	0.15	0.03	0.14
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	20	0.15	0.01	0.15
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	20	0.15	0.01	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	20	0.15	0.01	0.15
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	20	0.15	0.01	0.15
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	20	0.15	0.01	0.15
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	20	0.14	0.02	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	20	0.14	0.01	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	20	0.14	0.0	0.14
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	20	0.14	0.01	0.14
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	20	0.14	0.01	0.14
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	20	0.14	0.01	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	20	0.14	0.0	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	20	0.14	0.01	0.14
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	20	0.14	0.01	0.14
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	20	0.14	0.01	0.14
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	20	0.14	0.01	0.14
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	20	0.14	0.01	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	20	0.14	0.0	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	20	0.14	0.01	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	20	0.14	0.01	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	20	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	20	0.13	0.0	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	20	0.13	0.01	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	20	0.13	0.01	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	20	0.13	0.01	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	20	0.13	0.01	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	20	0.13	0.01	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	20	0.13	0.01	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	20	0.13	0.01	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	20	0.13	0.01	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	20	0.13	0.01	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	20	0.13	0.01	0.14
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	20	0.13	0.01	0.13
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	20	0.13	0.01	0.13
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	20	0.13	0.01	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	20	0.13	0.01	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	20	0.13	0.0	0.13
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	20	0.13	0.01	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	20	0.13	0.01	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	20	0.12	0.0	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	20	0.12	0.0	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	20	0.12	0.0	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	20	0.12	0.0	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	20	0.12	0.01	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	20	0.12	0.01	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	20	0.12	0.01	0.12
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	20	0.12	0.01	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	20	0.11	0.01	0.12
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	20	0.11	0.0	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	20	0.11	0.0	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	20	0.11	0.0	0.11
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	19	1.57	0.03	1.58
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	19	1.46	0.32	1.55
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	19	1.46	0.32	1.55
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	19	1.46	0.32	1.55
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	19	1.34	0.08	1.34
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	19	1.3	0.01	1.31
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	19	1.3	0.01	1.31
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	19	1.3	0.01	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	19	1.3	0.01	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	19	1.3	0.01	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	19	1.3	0.01	1.31
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	19	1.19	0.17	1.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	19	1.07	0.06	1.1
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	19	1.07	0.06	1.1
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	19	1.07	0.06	1.1
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	19	1.07	0.03	1.07
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	19	1.07	0.03	1.07
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	19	1.07	0.03	1.07
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	19	1.06	0.02	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	19	1.06	0.02	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	19	1.06	0.02	1.06
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	19	1.05	0.01	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	19	1.05	0.01	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	19	1.05	0.01	1.05
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	19	1.0	0.01	1.0
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	19	1.0	0.01	1.0
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	19	1.0	0.01	1.0
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	19	0.97	0.04	0.98
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	19	0.97	0.04	0.98
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	19	0.97	0.04	0.98
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	19	0.96	0.01	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	19	0.96	0.01	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	19	0.96	0.01	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	19	0.96	0.01	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	19	0.96	0.01	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	19	0.96	0.01	0.96
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	19	0.95	0.02	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	19	0.95	0.02	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	19	0.95	0.02	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	19	0.94	0.02	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	19	0.94	0.02	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	19	0.94	0.02	0.94
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	19	0.89	0.05	0.91
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	19	0.88	0.03	0.88
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	19	0.88	0.03	0.88
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	19	0.88	0.03	0.88
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	19	0.8	0.01	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	19	0.8	0.01	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	19	0.8	0.01	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	19	0.79	0.01	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	19	0.79	0.01	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	19	0.79	0.01	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	19	0.79	0.01	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	19	0.79	0.01	0.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	19	0.79	0.01	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	19	0.79	0.01	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	19	0.79	0.01	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	19	0.79	0.01	0.79
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	19	0.77	0.06	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	19	0.77	0.06	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	19	0.77	0.06	0.8
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	19	0.77	0.03	0.77
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	19	0.77	0.03	0.77
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	19	0.77	0.03	0.77
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	19	0.75	0.02	0.74
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	19	0.75	0.02	0.74
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	19	0.75	0.02	0.74
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	19	0.73	0.07	0.72
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	19	0.69	0.05	0.71
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	19	0.68	0.03	0.68
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	19	0.68	0.03	0.68
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	19	0.68	0.03	0.68
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	19	0.67	0.02	0.68
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	19	0.63	0.07	0.62
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	19	0.59	0.02	0.6
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	19	0.59	0.03	0.59
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	19	0.59	0.03	0.59
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	19	0.59	0.03	0.59
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	19	0.58	0.05	0.6
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	19	0.57	0.04	0.58
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	19	0.57	0.04	0.58
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	19	0.57	0.04	0.58
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	19	0.57	0.04	0.58
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	19	0.57	0.04	0.58
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	19	0.57	0.04	0.58
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	19	0.56	0.19	0.64
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	19	0.56	0.19	0.64
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	19	0.56	0.04	0.56
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	19	0.56	0.04	0.56
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	19	0.56	0.04	0.56
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	19	0.56	0.13	0.6
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	19	0.55	0.42	0.24
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	19	0.54	0.13	0.62
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	19	0.53	0.12	0.54
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	19	0.52	0.02	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	19	0.52	0.02	0.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	19	0.52	0.02	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	19	0.52	0.02	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	19	0.52	0.02	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	19	0.52	0.02	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	19	0.52	0.02	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	19	0.52	0.02	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	19	0.52	0.02	0.53
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	19	0.52	0.01	0.52
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	19	0.48	0.12	0.51
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	19	0.44	0.11	0.42
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	19	0.44	0.0	0.44
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	19	0.43	0.19	0.54
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	19	0.43	0.02	0.43
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	19	0.43	0.02	0.43
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	19	0.43	0.02	0.43
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	19	0.42	0.01	0.42
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	19	0.41	0.07	0.45
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	19	0.39	0.12	0.39
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	19	0.39	0.02	0.4
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	19	0.36	0.06	0.37
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	19	0.34	0.07	0.33
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	19	0.33	0.11	0.32
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	19	0.33	0.11	0.32
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	19	0.33	0.11	0.32
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	19	0.31	0.07	0.35
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	19	0.31	0.05	0.3
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	19	0.29	0.06	0.3
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	19	0.29	0.06	0.3
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	19	0.29	0.06	0.3
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	19	0.28	0.03	0.29
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	19	0.27	0.05	0.28
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	19	0.27	0.09	0.25
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	19	0.26	0.02	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	19	0.26	0.02	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	19	0.26	0.02	0.27
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	19	0.24	0.08	0.2
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	19	0.24	0.05	0.26
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	19	0.23	0.04	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	19	0.23	0.04	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	19	0.23	0.04	0.21
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	19	0.23	0.06	0.22
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	19	0.22	0.06	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	19	0.21	0.05	0.22
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	19	0.21	0.05	0.22
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	19	0.21	0.05	0.22
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	19	0.2	0.04	0.2
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	19	0.2	0.03	0.21
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	19	0.2	0.03	0.21
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	19	0.2	0.03	0.21
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	19	0.19	0.02	0.19
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	19	0.18	0.02	0.19
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	19	0.18	0.05	0.18
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	19	0.18	0.05	0.18
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	19	0.18	0.05	0.18
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	19	0.17	0.01	0.17
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	19	0.16	0.04	0.16
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	19	0.16	0.04	0.16
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	19	0.16	0.04	0.16
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	19	0.16	0.02	0.16
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	19	0.16	0.02	0.16
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	19	0.16	0.02	0.16
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	19	0.16	0.02	0.16
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	19	0.15	0.12	0.12
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	19	0.14	0.01	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	19	0.14	0.01	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	19	0.14	0.01	0.13
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	19	0.12	0.01	0.12
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	19	0.12	0.01	0.12
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	19	0.12	0.01	0.12
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	19	0.11	0.01	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	19	0.11	0.0	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	19	0.11	0.0	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	19	0.11	0.0	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	19	0.11	0.0	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	19	0.11	0.01	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	19	0.11	0.01	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	19	0.11	0.01	0.11
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	18	2.31	0.34	2.26
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	18	1.4	0.05	1.41
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	18	1.4	0.05	1.41
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	18	1.4	0.05	1.41
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	18	1.3	0.02	1.3
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	18	1.3	0.02	1.3
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	18	1.3	0.02	1.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	18	0.96	0.05	0.94
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	18	0.9	0.02	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	18	0.9	0.02	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	18	0.9	0.02	0.9
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	18	0.87	0.19	0.82
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	18	0.73	0.01	0.74
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	18	0.69	0.01	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	18	0.69	0.01	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	18	0.69	0.01	0.68
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	18	0.62	0.08	0.65
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	18	0.58	0.03	0.57
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	18	0.54	0.15	0.59
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	18	0.39	0.24	0.3
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	18	0.37	0.01	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	18	0.36	0.04	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	18	0.36	0.04	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	18	0.36	0.04	0.36
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	18	0.35	0.06	0.36
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	18	0.35	0.01	0.34
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	18	0.3	0.09	0.3
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	18	0.28	0.03	0.27
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	18	0.25	0.02	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	18	0.25	0.02	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	18	0.25	0.02	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	18	0.25	0.02	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	18	0.25	0.02	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	18	0.25	0.02	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	18	0.25	0.02	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	18	0.25	0.02	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	18	0.25	0.02	0.25
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	18	0.25	0.04	0.26
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	18	0.23	0.04	0.24
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	18	0.19	0.05	0.19
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	18	0.19	0.05	0.19
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	18	0.19	0.05	0.19
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	18	0.19	0.01	0.18
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	18	0.19	0.01	0.18
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	18	0.19	0.01	0.18
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	18	0.17	0.05	0.16
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	18	0.16	0.01	0.16
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	18	0.16	0.01	0.16
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	18	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	18	0.15	0.03	0.15
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	18	0.15	0.02	0.14
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	18	0.15	0.02	0.14
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	18	0.15	0.02	0.14
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	18	0.12	0.01	0.12
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	18	0.12	0.01	0.12
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	18	0.12	0.01	0.12
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	18	0.12	0.01	0.12
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	18	0.12	0.01	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	18	0.11	0.0	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	18	0.11	0.0	0.11
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	18	0.11	0.01	0.11
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	18	0.11	0.01	0.11
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	18	0.1	0.0	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	18	0.1	0.0	0.1
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	17	0.7	0.05	0.69
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	17	0.61	0.04	0.6
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	17	0.51	0.4	0.26
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	17	0.51	0.4	0.26
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	17	0.49	0.42	0.15
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	17	0.48	0.03	0.47
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	17	0.45	0.08	0.44
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	17	0.45	0.08	0.44
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	17	0.45	0.08	0.44
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	17	0.35	0.02	0.36
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	17	0.34	0.31	0.3
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	17	0.23	0.01	0.23
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	17	0.22	0.4	0.13
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	17	0.19	0.01	0.19
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	17	0.18	0.04	0.18
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	17	0.18	0.04	0.18
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	17	0.18	0.04	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	17	0.18	0.02	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	17	0.18	0.02	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	17	0.18	0.02	0.18
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	17	0.15	0.05	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	17	0.14	0.02	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	17	0.14	0.02	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	17	0.14	0.02	0.14
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	17	0.14	0.02	0.13
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	17	0.14	0.02	0.13
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	17	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	17	0.14	0.02	0.13
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	17	0.13	0.01	0.13
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	17	0.13	0.01	0.13
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	17	0.13	0.02	0.12
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	17	0.13	0.01	0.12
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	16	1.05	0.16	1.06
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	16	1.04	0.37	1.16
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	16	1.01	0.02	1.01
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	16	0.57	0.01	0.57
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	16	0.55	0.01	0.55
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	16	0.55	0.01	0.55
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	16	0.53	0.01	0.53
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	16	0.39	0.24	0.28
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	16	0.31	0.03	0.31
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	16	0.26	0.19	0.12
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	16	0.26	0.09	0.24
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	16	0.26	0.09	0.24
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	16	0.26	0.09	0.24
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	16	0.21	0.05	0.22
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	16	0.21	0.1	0.19
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	16	0.21	0.02	0.21
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	16	0.21	0.04	0.22
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	16	0.21	0.04	0.22
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	16	0.2	0.04	0.22
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	16	0.19	0.02	0.19
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	16	0.19	0.05	0.19
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	16	0.19	0.05	0.19
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	16	0.19	0.05	0.19
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	16	0.16	0.04	0.16
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	16	0.15	0.01	0.15
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	16	0.14	0.02	0.14
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	16	0.13	0.01	0.13
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	16	0.13	0.01	0.13
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	16	0.13	0.01	0.13
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	16	0.13	0.01	0.13
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	16	0.13	0.01	0.13
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	16	0.13	0.01	0.13
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	16	0.13	0.02	0.12
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	16	0.12	0.02	0.12
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	16	0.12	0.01	0.12
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	16	0.12	0.01	0.12
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	16	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	16	0.12	0.01	0.12
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	16	0.12	0.02	0.12
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	16	0.12	0.02	0.12
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	16	0.12	0.02	0.12
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	16	0.11	0.01	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	16	0.11	0.01	0.11
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	16	0.1	0.0	0.1
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	15	1.92	0.09	1.91
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	15	1.17	0.1	1.14
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	15	1.12	0.09	1.11
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	15	1.09	0.03	1.08
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	15	0.94	0.11	0.91
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	15	0.94	0.11	0.91
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	15	0.94	0.11	0.91
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	15	0.87	0.22	0.94
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	15	0.78	0.04	0.76
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	15	0.7	0.21	0.79
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	15	0.57	0.04	0.57
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	15	0.53	0.1	0.55
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	15	0.47	0.15	0.48
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	15	0.42	0.04	0.42
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	15	0.42	0.04	0.42
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	15	0.42	0.04	0.42
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	15	0.39	0.33	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	15	0.39	0.33	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	15	0.39	0.33	0.14
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	15	0.39	0.03	0.38
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	15	0.28	0.04	0.26
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	15	0.24	0.05	0.25
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	15	0.24	0.05	0.25
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	15	0.24	0.05	0.25
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	15	0.19	0.06	0.19
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	15	0.17	0.03	0.18
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	15	0.17	0.03	0.18
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	15	0.17	0.03	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	15	0.17	0.03	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	15	0.17	0.03	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	15	0.17	0.03	0.18
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	15	0.15	0.02	0.15
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	14	1.56	0.29	1.6
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	14	1.11	0.02	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	14	1.11	0.02	1.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	14	1.11	0.02	1.1
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	14	1.1	0.14	1.15
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	14	1.1	0.14	1.15
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	14	1.1	0.14	1.15
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	14	1.07	0.02	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	14	1.07	0.02	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	14	1.07	0.02	1.06
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	14	1.04	0.41	1.2
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	14	1.04	0.41	1.2
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	14	1.04	0.41	1.2
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	14	1.01	0.02	1.0
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	14	0.97	0.01	0.97
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	14	0.94	0.02	0.95
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	14	0.86	0.05	0.85
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	14	0.83	0.19	0.89
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	14	0.82	0.17	0.86
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	14	0.78	0.04	0.78
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	14	0.71	0.02	0.7
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	14	0.71	0.02	0.7
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	14	0.71	0.02	0.7
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	14	0.66	0.03	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	14	0.66	0.03	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	14	0.66	0.03	0.67
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	14	0.64	0.02	0.65
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	14	0.62	0.1	0.65
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	14	0.57	0.23	0.56
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	14	0.55	0.02	0.56
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	14	0.55	0.47	0.17
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	14	0.54	0.07	0.57
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	14	0.54	0.07	0.57
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	14	0.54	0.07	0.57
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	14	0.48	0.06	0.46
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	14	0.45	0.02	0.46
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	14	0.44	0.17	0.39
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	14	0.43	0.07	0.43
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	14	0.42	0.07	0.43
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	14	0.32	0.11	0.29
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	14	0.27	0.05	0.28
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	14	0.27	0.02	0.26
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	14	0.27	0.02	0.26
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	14	0.27	0.02	0.26
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	14	0.26	0.12	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	14	0.25	0.04	0.24
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	14	0.23	0.12	0.22
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	14	0.23	0.06	0.2
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	14	0.2	0.03	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	14	0.18	0.04	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	14	0.18	0.04	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	14	0.18	0.04	0.18
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	14	0.17	0.07	0.16
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	14	0.16	0.06	0.12
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	14	0.16	0.04	0.16
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	14	0.15	0.03	0.15
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	14	0.15	0.03	0.15
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	14	0.15	0.03	0.15
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	14	0.14	0.01	0.14
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	14	0.13	0.02	0.13
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	14	0.12	0.01	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	14	0.12	0.01	0.12
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	14	0.12	0.01	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	14	0.12	0.01	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	14	0.12	0.01	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	14	0.12	0.01	0.12
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	14	0.11	0.01	0.11
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	13	0.82	0.03	0.83
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	13	0.82	0.03	0.83
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	13	0.81	0.06	0.83
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	13	0.67	0.02	0.66
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	13	0.53	0.03	0.53
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	13	0.49	0.07	0.51
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	13	0.38	0.06	0.38
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	13	0.32	0.01	0.32
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	13	0.27	0.03	0.28
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	13	0.24	0.06	0.23
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	13	0.23	0.03	0.23
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	13	0.23	0.03	0.23
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	13	0.22	0.03	0.22
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	13	0.2	0.04	0.2
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	13	0.2	0.08	0.18
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	13	0.12	0.02	0.12
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	12	0.28	0.08	0.29
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	12	0.24	0.1	0.29
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	12	0.13	0.02	0.14
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	12	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	12	0.12	0.02	0.12
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	12	0.12	0.02	0.12
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	12	0.12	0.02	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	12	0.12	0.02	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	12	0.12	0.02	0.11
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	12	0.12	0.01	0.12
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	12	0.12	0.01	0.12
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	12	0.11	0.01	0.11
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	12	0.11	0.01	0.11
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	12	0.11	0.01	0.11
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	11	0.38	0.1	0.38
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	11	0.27	0.15	0.19
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	11	0.27	0.15	0.19
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	11	0.27	0.15	0.19
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	11	0.16	0.04	0.16
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	11	0.13	0.02	0.13
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	11	0.11	0.02	0.11
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	10	0.21	0.08	0.2
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	10	0.19	0.03	0.19
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	10	0.12	0.01	0.11
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	10	0.12	0.01	0.11
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	10	0.12	0.01	0.11
(1,2802)	1:367:A:ASP:HB2	1:367:A:ASP:H	9	0.55	0.64	0.11
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	9	0.45	0.19	0.56
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	9	0.45	0.19	0.56
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	9	0.45	0.19	0.56
(1,3293)	1:409:A:TYR:HE1	1:408:A:ASN:HB3	9	0.14	0.03	0.13
(1,3293)	1:409:A:TYR:HE2	1:408:A:ASN:HB3	9	0.14	0.03	0.13
(1,1646)	1:368:A:ILE:HD11	1:368:A:ILE:H	9	0.14	0.02	0.14
(1,1646)	1:368:A:ILE:HD12	1:368:A:ILE:H	9	0.14	0.02	0.14
(1,1646)	1:368:A:ILE:HD13	1:368:A:ILE:H	9	0.14	0.02	0.14
(1,861)	1:401:A:THR:HG21	1:401:A:THR:H	9	0.13	0.01	0.13
(1,861)	1:401:A:THR:HG22	1:401:A:THR:H	9	0.13	0.01	0.13
(1,861)	1:401:A:THR:HG23	1:401:A:THR:H	9	0.13	0.01	0.13
(1,458)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	9	0.11	0.01	0.1
(1,2370)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	8	0.82	0.36	0.98
(1,1928)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	8	0.69	0.34	0.88
(1,1616)	1:387:A:LYS:HE2	1:387:A:LYS:HB2	8	0.5	0.37	0.3
(1,1369)	1:387:A:LYS:HD2	1:387:A:LYS:HE2	8	0.48	0.02	0.47
(1,2782)	1:399:A:ASP:HA	1:399:A:ASP:HB3	8	0.46	0.09	0.52
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG21	8	0.46	0.12	0.49
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG22	8	0.46	0.12	0.49

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG23	8	0.46	0.12	0.49
(1,1751)	1:399:A:ASP:HB3	1:399:A:ASP:HA	8	0.26	0.09	0.32
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG21	8	0.23	0.04	0.26
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG22	8	0.23	0.04	0.26
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG23	8	0.23	0.04	0.26
(1,3781)	1:430:A:GLY:H	1:369:A:VAL:HA	8	0.14	0.02	0.14
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD11	8	0.13	0.02	0.14
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD12	8	0.13	0.02	0.14
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD13	8	0.13	0.02	0.14
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD11	8	0.13	0.02	0.14
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD12	8	0.13	0.02	0.14
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD13	8	0.13	0.02	0.14
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD11	8	0.13	0.02	0.14
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD12	8	0.13	0.02	0.14
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD13	8	0.13	0.02	0.14
(1,4100)	1:436:A:THR:H	1:435:A:LYS:HG2	8	0.13	0.03	0.12
(1,792)	1:396:A:THR:HG21	1:397:A:ASN:H	8	0.13	0.02	0.12
(1,792)	1:396:A:THR:HG22	1:397:A:ASN:H	8	0.13	0.02	0.12
(1,792)	1:396:A:THR:HG23	1:397:A:ASN:H	8	0.13	0.02	0.12
(1,2878)	1:450:A:MET:HE1	1:452:A:GLU:H	8	0.12	0.01	0.12
(1,2878)	1:450:A:MET:HE2	1:452:A:GLU:H	8	0.12	0.01	0.12
(1,2878)	1:450:A:MET:HE3	1:452:A:GLU:H	8	0.12	0.01	0.12
(1,3770)	1:442:A:CYS:H	1:442:A:CYS:HB3	8	0.11	0.01	0.11
(1,227)	1:456:A:MET:HG3	1:457:A:VAL:H	8	0.11	0.02	0.1
(1,2327)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	8	0.11	0.01	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD11	8	0.11	0.01	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD12	8	0.11	0.01	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD13	8	0.11	0.01	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD11	8	0.11	0.01	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD12	8	0.11	0.01	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD13	8	0.11	0.01	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD11	8	0.11	0.01	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD12	8	0.11	0.01	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD13	8	0.11	0.01	0.11
(1,901)	1:378:A:PRO:HD2	1:378:A:PRO:HA	8	0.11	0.0	0.11
(1,4192)	1:426:A:GLN:HE22	1:428:A:GLU:HB2	7	1.15	0.51	1.47
(1,3240)	1:440:A:HIS:HD2	1:439:A:SER:HB3	7	0.77	0.17	0.8
(1,1752)	1:346:A:GLU:HB2	1:346:A:GLU:HG2	7	0.76	0.03	0.77
(1,557)	1:346:A:GLU:HG2	1:346:A:GLU:HB2	7	0.66	0.03	0.67
(1,2984)	1:346:A:GLU:HB3	1:346:A:GLU:HG3	7	0.61	0.07	0.63
(1,2964)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	7	0.54	0.11	0.58
(1,1495)	1:448:A:SER:HB2	1:448:A:SER:H	7	0.48	0.04	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2935)	1:346:A:GLU:HG3	1:346:A:GLU:HB3	7	0.31	0.07	0.33
(1,779)	1:448:A:SER:HB2	1:449:A:VAL:H	7	0.27	0.02	0.28
(1,2086)	1:459:A:LYS:HB3	1:459:A:LYS:HE3	7	0.24	0.03	0.23
(1,1136)	1:378:A:PRO:HD2	1:377:A:THR:HA	7	0.22	0.02	0.23
(1,4141)	1:359:A:ASP:H	1:343:A:THR:HA	7	0.21	0.12	0.14
(1,1596)	1:458:A:GLU:HG2	1:458:A:GLU:H	7	0.17	0.02	0.17
(1,1397)	1:432:A:ASP:HA	1:433:A:LEU:HB3	7	0.14	0.02	0.14
(1,3264)	1:454:A:PHE:HE1	1:387:A:LYS:HA	7	0.13	0.02	0.12
(1,3264)	1:454:A:PHE:HE2	1:387:A:LYS:HA	7	0.13	0.02	0.12
(1,2056)	1:398:A:ASP:HB3	1:397:A:ASN:HA	7	0.13	0.02	0.13
(1,845)	1:341:A:GLU:HA	1:341:A:GLU:HB2	7	0.11	0.01	0.11
(1,3207)	1:409:A:TYR:HE1	1:409:A:TYR:HA	7	0.11	0.01	0.11
(1,3207)	1:409:A:TYR:HE2	1:409:A:TYR:HA	7	0.11	0.01	0.11
(1,1579)	1:374:A:THR:HB	1:374:A:THR:H	7	0.11	0.0	0.11
(1,3935)	1:367:A:ASP:H	1:367:A:ASP:HB3	7	0.11	0.01	0.1
(1,1778)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	6	1.21	0.03	1.2
(1,2220)	1:415:A:TRP:HB2	1:415:A:TRP:HE3	6	1.17	0.08	1.14
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD21	6	1.13	0.02	1.13
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD22	6	1.13	0.02	1.13
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD23	6	1.13	0.02	1.13
(1,1105)	1:341:A:GLU:HB2	1:341:A:GLU:H	6	0.89	0.06	0.91
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD11	6	0.79	0.02	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD12	6	0.79	0.02	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD13	6	0.79	0.02	0.79
(1,1644)	1:341:A:GLU:HB3	1:342:A:ASP:H	6	0.63	0.08	0.66
(1,1731)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	6	0.61	0.03	0.6
(1,101)	1:459:A:LYS:HG2	1:459:A:LYS:H	6	0.6	0.02	0.6
(1,3349)	1:466:A:PHE:HE1	1:346:A:GLU:HG2	6	0.55	0.08	0.52
(1,3349)	1:466:A:PHE:HE2	1:346:A:GLU:HG2	6	0.55	0.08	0.52
(1,2002)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	6	0.52	0.05	0.53
(1,2462)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	6	0.51	0.0	0.51
(1,991)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	6	0.41	0.0	0.41
(1,3198)	1:415:A:TRP:HE3	1:415:A:TRP:HB2	6	0.37	0.08	0.34
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD1	6	0.33	0.2	0.25
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD2	6	0.33	0.2	0.25
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD1	6	0.33	0.2	0.25
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD2	6	0.33	0.2	0.25
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD1	6	0.33	0.2	0.25
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD2	6	0.33	0.2	0.25
(1,591)	1:459:A:LYS:HE2	1:459:A:LYS:HB2	6	0.31	0.03	0.31
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD21	6	0.28	0.02	0.27
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD22	6	0.28	0.02	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD23	6	0.28	0.02	0.27
(1,1512)	1:341:A:GLU:HG3	1:342:A:ASP:H	6	0.26	0.03	0.26
(1,3730)	1:341:A:GLU:H	1:341:A:GLU:HB3	6	0.24	0.04	0.23
(1,3674)	1:341:A:GLU:H	1:341:A:GLU:HB2	6	0.2	0.04	0.21
(1,1086)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	6	0.19	0.04	0.18
(1,3220)	1:355:A:TRP:HE3	1:346:A:GLU:HB3	6	0.19	0.08	0.16
(1,4081)	1:426:A:GLN:HE21	1:437:A:ARG:HB3	6	0.16	0.06	0.15
(1,976)	1:438:A:GLY:HA2	1:439:A:SER:HB2	6	0.15	0.01	0.15
(1,1115)	1:398:A:ASP:HB2	1:399:A:ASP:HA	6	0.14	0.02	0.14
(1,2691)	1:459:A:LYS:HE2	1:459:A:LYS:HG2	6	0.13	0.02	0.12
(1,2336)	1:458:A:GLU:HB3	1:459:A:LYS:H	6	0.11	0.01	0.12
(1,2714)	1:346:A:GLU:HA	1:346:A:GLU:HB3	6	0.11	0.0	0.11
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG21	6	0.11	0.01	0.11
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG22	6	0.11	0.01	0.11
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG23	6	0.11	0.01	0.11
(1,3440)	1:466:A:PHE:HD1	1:466:A:PHE:HA	6	0.11	0.01	0.11
(1,3440)	1:466:A:PHE:HD2	1:466:A:PHE:HA	6	0.11	0.01	0.11
(1,344)	1:463:A:VAL:HG11	1:463:A:VAL:HA	6	0.1	0.0	0.11
(1,344)	1:463:A:VAL:HG12	1:463:A:VAL:HA	6	0.1	0.0	0.11
(1,344)	1:463:A:VAL:HG13	1:463:A:VAL:HA	6	0.1	0.0	0.11
(1,2391)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	6	0.1	0.0	0.1
(1,2514)	1:457:A:VAL:HG11	1:457:A:VAL:HB	6	0.1	0.0	0.1
(1,2514)	1:457:A:VAL:HG12	1:457:A:VAL:HB	6	0.1	0.0	0.1
(1,2514)	1:457:A:VAL:HG13	1:457:A:VAL:HB	6	0.1	0.0	0.1
(1,2898)	1:352:A:GLN:HG2	1:352:A:GLN:H	5	1.18	0.5	1.41
(1,2519)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	5	1.15	0.07	1.1
(1,2490)	1:372:A:LYS:HE2	1:372:A:LYS:HB3	5	1.08	0.06	1.09
(1,1249)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	5	1.01	0.05	1.03
(1,1060)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	5	0.93	0.06	0.9
(1,1182)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	5	0.91	0.05	0.93
(1,317)	1:352:A:GLN:HA	1:352:A:GLN:HG2	5	0.79	0.04	0.82
(1,853)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	5	0.67	0.02	0.68
(1,1989)	1:372:A:LYS:HG3	1:372:A:LYS:HD2	5	0.55	0.01	0.55
(1,2389)	1:399:A:ASP:HB3	1:400:A:GLY:HA2	5	0.54	0.0	0.54
(1,3771)	1:426:A:GLN:H	1:426:A:GLN:HB2	5	0.33	0.06	0.36
(1,3752)	1:425:A:TRP:HE1	1:444:A:ASN:HB2	5	0.25	0.13	0.16
(1,1343)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	5	0.25	0.07	0.2
(1,2515)	1:349:A:LEU:HD21	1:370:A:SER:HB2	5	0.24	0.05	0.25
(1,2515)	1:349:A:LEU:HD22	1:370:A:SER:HB2	5	0.24	0.05	0.25
(1,2515)	1:349:A:LEU:HD23	1:370:A:SER:HB2	5	0.24	0.05	0.25
(1,997)	1:400:A:GLY:HA2	1:401:A:THR:H	5	0.17	0.02	0.16
(1,2771)	1:372:A:LYS:HD2	1:372:A:LYS:HG3	5	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3892)	1:360:A:GLY:H	1:357:A:TYR:HB3	5	0.13	0.0	0.13
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG11	5	0.12	0.02	0.12
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG12	5	0.12	0.02	0.12
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG13	5	0.12	0.02	0.12
(1,2516)	1:343:A:THR:HB	1:343:A:THR:H	5	0.11	0.0	0.11
(1,3691)	1:348:A:ASP:H	1:353:A:HIS:H	5	0.11	0.01	0.12
(1,2738)	1:407:A:VAL:HG11	1:407:A:VAL:H	5	0.11	0.01	0.11
(1,2738)	1:407:A:VAL:HG12	1:407:A:VAL:H	5	0.11	0.01	0.11
(1,2738)	1:407:A:VAL:HG13	1:407:A:VAL:H	5	0.11	0.01	0.11
(1,824)	1:459:A:LYS:HG2	1:459:A:LYS:HD2	5	0.11	0.01	0.11
(1,1958)	1:458:A:GLU:HA	1:458:A:GLU:HB2	5	0.11	0.01	0.11
(1,1679)	1:377:A:THR:HG21	1:377:A:THR:HB	5	0.1	0.0	0.1
(1,1679)	1:377:A:THR:HG22	1:377:A:THR:HB	5	0.1	0.0	0.1
(1,1679)	1:377:A:THR:HG23	1:377:A:THR:HB	5	0.1	0.0	0.1
(1,2213)	1:432:A:ASP:HB2	1:432:A:ASP:H	4	1.08	0.02	1.07
(1,1301)	1:408:A:ASN:HA	1:408:A:ASN:HD21	4	0.88	0.07	0.88
(1,3505)	1:408:A:ASN:HD21	1:408:A:ASN:HA	4	0.48	0.07	0.48
(1,1725)	1:340:A:MET:HG3	1:340:A:MET:H	4	0.48	0.43	0.3
(1,717)	1:432:A:ASP:HB3	1:433:A:LEU:H	4	0.45	0.02	0.45
(1,2206)	1:451:A:LYS:HG2	1:451:A:LYS:HE2	4	0.3	0.01	0.3
(1,3726)	1:432:A:ASP:H	1:432:A:ASP:HB2	4	0.28	0.02	0.27
(1,793)	1:451:A:LYS:HG3	1:451:A:LYS:HE2	4	0.22	0.01	0.22
(1,3230)	1:454:A:PHE:HE1	1:389:A:GLU:HG3	4	0.18	0.06	0.16
(1,3230)	1:454:A:PHE:HE2	1:389:A:GLU:HG3	4	0.18	0.06	0.16
(1,3224)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	4	0.15	0.03	0.14
(1,3224)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	4	0.15	0.03	0.14
(1,3341)	1:434:A:TRP:HH2	1:435:A:LYS:HB2	4	0.13	0.02	0.14
(1,4207)	1:351:A:ASN:HD22	1:350:A:GLU:HG3	4	0.12	0.03	0.11
(1,1206)	1:370:A:SER:HB2	1:369:A:VAL:HA	4	0.12	0.01	0.12
(1,2927)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	4	0.12	0.0	0.12
(1,2927)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	4	0.12	0.0	0.12
(1,2927)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	4	0.12	0.0	0.12
(1,3514)	1:466:A:PHE:H	1:347:A:VAL:HB	4	0.12	0.02	0.11
(1,3442)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	4	0.11	0.01	0.11
(1,270)	1:459:A:LYS:HB2	1:459:A:LYS:HA	4	0.11	0.02	0.1
(1,1554)	1:406:A:PRO:HD2	1:406:A:PRO:HB2	4	0.11	0.0	0.11
(1,1700)	1:406:A:PRO:HB2	1:406:A:PRO:HD2	4	0.11	0.0	0.11
(1,2523)	1:446:A:PRO:HB2	1:445:A:THR:HA	4	0.11	0.0	0.11
(1,718)	1:402:A:PRO:HB2	1:403:A:TYR:H	4	0.11	0.0	0.11
(1,298)	1:446:A:PRO:HB3	1:446:A:PRO:HD2	4	0.1	0.0	0.1
(1,1876)	1:339:A:HIS:HB3	1:340:A:MET:HB2	3	0.76	0.17	0.86
(1,1814)	1:399:A:ASP:HB2	1:400:A:GLY:H	3	0.66	0.13	0.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4160)	1:426:A:GLN:HE21	1:428:A:GLU:HB2	3	0.65	0.44	0.65
(1,1908)	1:428:A:GLU:HG2	1:429:A:TYR:HA	3	0.5	0.06	0.48
(1,1843)	1:413:A:ILE:HD11	1:414:A:ASP:H	3	0.49	0.1	0.46
(1,1843)	1:413:A:ILE:HD12	1:414:A:ASP:H	3	0.49	0.1	0.46
(1,1843)	1:413:A:ILE:HD13	1:414:A:ASP:H	3	0.49	0.1	0.46
(1,3714)	1:426:A:GLN:HE22	1:437:A:ARG:HB3	3	0.47	0.08	0.46
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG11	3	0.46	0.0	0.46
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG12	3	0.46	0.0	0.46
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG13	3	0.46	0.0	0.46
(1,3414)	1:385:A:TRP:HD1	1:385:A:TRP:HB2	3	0.43	0.03	0.44
(1,3147)	1:427:A:PRO:HB2	1:428:A:GLU:H	3	0.39	0.19	0.5
(1,428)	1:381:A:VAL:HB	1:381:A:VAL:H	3	0.37	0.04	0.37
(1,3800)	1:367:A:ASP:H	1:367:A:ASP:HB2	3	0.35	0.01	0.36
(1,2228)	1:339:A:HIS:HB3	1:340:A:MET:HG3	3	0.3	0.26	0.12
(1,1371)	1:399:A:ASP:HB3	1:400:A:GLY:H	3	0.29	0.04	0.32
(1,165)	1:437:A:ARG:HB2	1:426:A:GLN:HE22	3	0.29	0.1	0.27
(1,1232)	1:437:A:ARG:HB3	1:426:A:GLN:HE22	3	0.27	0.08	0.26
(1,4175)	1:368:A:ILE:H	1:367:A:ASP:HB2	3	0.26	0.03	0.26
(1,1757)	1:367:A:ASP:HB3	1:368:A:ILE:H	3	0.24	0.03	0.26
(1,3858)	1:434:A:TRP:HE1	1:352:A:GLN:HG3	3	0.23	0.09	0.21
(1,3618)	1:463:A:VAL:H	1:462:A:PRO:HB2	3	0.22	0.06	0.26
(1,1110)	1:447:A:PRO:HA	1:447:A:PRO:HG3	3	0.19	0.04	0.16
(1,694)	1:436:A:THR:HB	1:437:A:ARG:H	3	0.18	0.04	0.16
(1,1653)	1:367:A:ASP:HB3	1:366:A:THR:HA	3	0.17	0.0	0.17
(1,3775)	1:441:A:GLY:H	1:440:A:HIS:HA	3	0.16	0.05	0.16
(1,3390)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	3	0.15	0.04	0.12
(1,1598)	1:461:A:THR:HG21	1:461:A:THR:HA	3	0.13	0.03	0.13
(1,1598)	1:461:A:THR:HG22	1:461:A:THR:HA	3	0.13	0.03	0.13
(1,1598)	1:461:A:THR:HG23	1:461:A:THR:HA	3	0.13	0.03	0.13
(1,3480)	1:448:A:SER:H	1:448:A:SER:HB2	3	0.13	0.01	0.12
(1,77)	1:361:A:LYS:HE3	1:361:A:LYS:HB2	3	0.12	0.01	0.12
(1,3303)	1:353:A:HIS:HE1	1:365:A:GLU:HG3	3	0.12	0.02	0.11
(1,1909)	1:443:A:ILE:HD11	1:443:A:ILE:HB	3	0.11	0.0	0.11
(1,1909)	1:443:A:ILE:HD12	1:443:A:ILE:HB	3	0.11	0.0	0.11
(1,1909)	1:443:A:ILE:HD13	1:443:A:ILE:HB	3	0.11	0.0	0.11
(1,2162)	1:406:A:PRO:HD2	1:405:A:SER:HA	3	0.11	0.01	0.1
(1,368)	1:428:A:GLU:HA	1:428:A:GLU:HG3	2	0.92	0.04	0.92
(1,1947)	1:418:A:VAL:HG21	1:419:A:GLY:H	2	0.75	0.11	0.75
(1,1947)	1:418:A:VAL:HG22	1:419:A:GLY:H	2	0.75	0.11	0.75
(1,1947)	1:418:A:VAL:HG23	1:419:A:GLY:H	2	0.75	0.11	0.75
(1,3962)	1:387:A:LYS:H	1:387:A:LYS:HD2	2	0.71	0.16	0.71
(1,902)	1:428:A:GLU:HB2	1:428:A:GLU:H	2	0.68	0.09	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4121)	1:419:A:GLY:H	1:418:A:VAL:HG21	2	0.65	0.11	0.65
(1,4121)	1:419:A:GLY:H	1:418:A:VAL:HG22	2	0.65	0.11	0.65
(1,4121)	1:419:A:GLY:H	1:418:A:VAL:HG23	2	0.65	0.11	0.65
(1,1511)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	2	0.46	0.04	0.46
(1,3859)	1:426:A:GLN:HE22	1:433:A:LEU:HB2	2	0.4	0.08	0.4
(1,3493)	1:360:A:GLY:H	1:342:A:ASP:HB3	2	0.28	0.1	0.28
(1,1009)	1:437:A:ARG:HD3	1:428:A:GLU:HB3	2	0.27	0.02	0.27
(1,3993)	1:428:A:GLU:H	1:427:A:PRO:HG2	2	0.27	0.02	0.27
(1,613)	1:428:A:GLU:HB3	1:428:A:GLU:HG2	2	0.26	0.01	0.26
(1,3051)	1:339:A:HIS:HB2	1:340:A:MET:HG3	2	0.24	0.06	0.24
(1,4223)	1:434:A:TRP:HE1	1:432:A:ASP:HB2	2	0.22	0.02	0.22
(1,124)	1:341:A:GLU:HA	1:341:A:GLU:HG3	2	0.21	0.08	0.21
(1,155)	1:398:A:ASP:HB2	1:398:A:ASP:HA	2	0.2	0.01	0.2
(1,1860)	1:420:A:ILE:HB	1:420:A:ILE:HG13	2	0.2	0.0	0.2
(1,2313)	1:428:A:GLU:HB3	1:428:A:GLU:HG3	2	0.19	0.0	0.19
(1,102)	1:428:A:GLU:HB2	1:428:A:GLU:HG2	2	0.18	0.0	0.18
(1,669)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	2	0.16	0.04	0.16
(1,3200)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	2	0.15	0.01	0.15
(1,3200)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	2	0.15	0.01	0.15
(1,285)	1:372:A:LYS:HG3	1:372:A:LYS:H	2	0.15	0.03	0.15
(1,1414)	1:372:A:LYS:HE3	1:372:A:LYS:HG3	2	0.13	0.02	0.13
(1,2465)	1:448:A:SER:HA	1:447:A:PRO:HA	2	0.13	0.01	0.13
(1,1896)	1:390:A:ASP:HB2	1:390:A:ASP:H	2	0.12	0.01	0.12
(1,3425)	1:466:A:PHE:HZ	1:346:A:GLU:HG2	2	0.12	0.02	0.12
(1,1458)	1:381:A:VAL:HG21	1:382:A:PHE:H	2	0.12	0.0	0.12
(1,1458)	1:381:A:VAL:HG22	1:382:A:PHE:H	2	0.12	0.0	0.12
(1,1458)	1:381:A:VAL:HG23	1:382:A:PHE:H	2	0.12	0.0	0.12
(1,1779)	1:436:A:THR:HA	1:436:A:THR:HG21	2	0.12	0.01	0.12
(1,1779)	1:436:A:THR:HA	1:436:A:THR:HG22	2	0.12	0.01	0.12
(1,1779)	1:436:A:THR:HA	1:436:A:THR:HG23	2	0.12	0.01	0.12
(1,3243)	1:425:A:TRP:HD1	1:425:A:TRP:HA	2	0.12	0.0	0.12
(1,763)	1:378:A:PRO:HD2	1:377:A:THR:HB	2	0.12	0.0	0.12
(1,3352)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	2	0.12	0.0	0.12
(1,3352)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	2	0.12	0.0	0.12
(1,3352)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	2	0.12	0.0	0.12
(1,709)	1:464:A:LEU:HA	1:464:A:LEU:HD11	2	0.11	0.0	0.11
(1,709)	1:464:A:LEU:HA	1:464:A:LEU:HD12	2	0.11	0.0	0.11
(1,709)	1:464:A:LEU:HA	1:464:A:LEU:HD13	2	0.11	0.0	0.11
(1,798)	1:345:A:ILE:HG21	1:354:A:MET:HA	2	0.11	0.0	0.11
(1,798)	1:345:A:ILE:HG22	1:354:A:MET:HA	2	0.11	0.0	0.11
(1,798)	1:345:A:ILE:HG23	1:354:A:MET:HA	2	0.11	0.0	0.11
(1,2847)	1:386:A:ASN:HB2	1:386:A:ASN:HA	2	0.11	0.01	0.11

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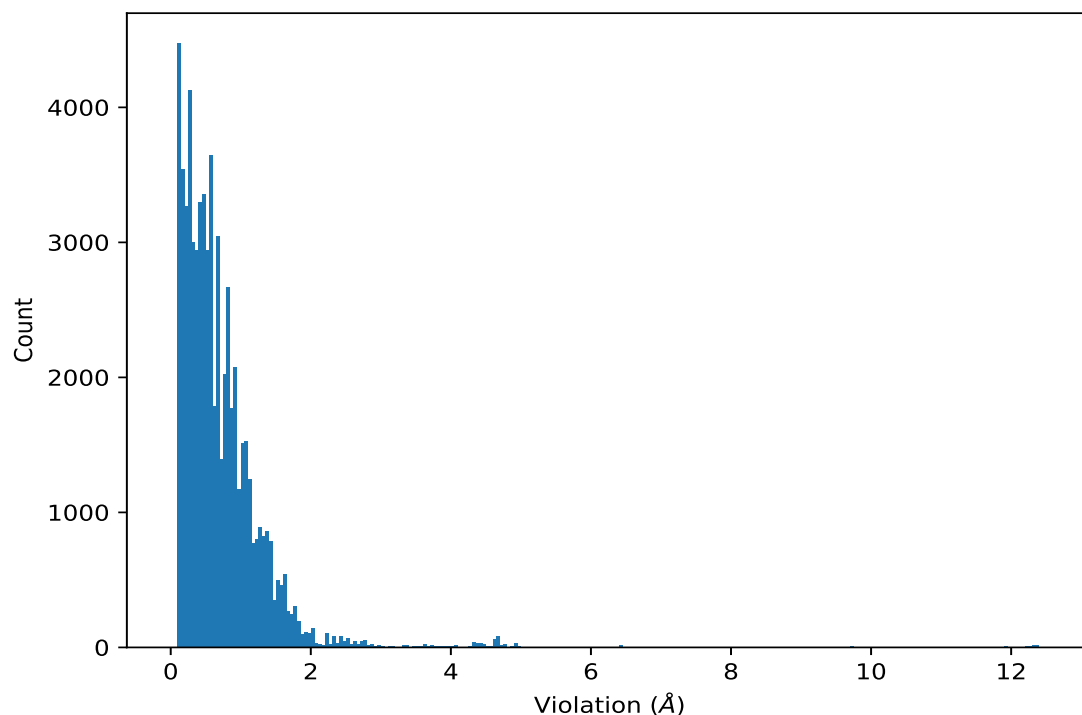
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,338)	1:413:A:ILE:HD11	1:383:A:TYR:H	2	0.11	0.0	0.11
(1,338)	1:413:A:ILE:HD12	1:383:A:TYR:H	2	0.11	0.0	0.11
(1,338)	1:413:A:ILE:HD13	1:383:A:TYR:H	2	0.11	0.0	0.11
(1,2188)	1:449:A:VAL:HG11	1:366:A:THR:HB	2	0.11	0.0	0.11
(1,2188)	1:449:A:VAL:HG12	1:366:A:THR:HB	2	0.11	0.0	0.11
(1,2188)	1:449:A:VAL:HG13	1:366:A:THR:HB	2	0.11	0.0	0.11
(1,2963)	1:396:A:THR:HB	1:396:A:THR:H	2	0.11	0.0	0.11
(1,1045)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	2	0.1	0.0	0.1
(1,1192)	1:391:A:ALA:HB1	1:391:A:ALA:HA	2	0.1	0.0	0.1
(1,1192)	1:391:A:ALA:HB2	1:391:A:ALA:HA	2	0.1	0.0	0.1
(1,1192)	1:391:A:ALA:HB3	1:391:A:ALA:HA	2	0.1	0.0	0.1
(1,2598)	1:451:A:LYS:HD2	1:451:A:LYS:HB2	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	5	12.55
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	5	12.55
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	5	12.55
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	12	12.46
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	12	12.46
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	12	12.46
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	16	12.4
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	16	12.4
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	16	12.4
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	7	12.38
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	7	12.38
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	7	12.38
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	18	12.38
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	18	12.38
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	18	12.38
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	4	12.37
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	4	12.37
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	4	12.37
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	14	12.36
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	14	12.36
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	14	12.36
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	17	12.36
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	17	12.36
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	17	12.36
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	1	12.35
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	1	12.35
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	1	12.35
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	6	12.34
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	6	12.34
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	6	12.34
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	3	12.31
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	3	12.31
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	3	12.31
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	11	12.31
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	11	12.31
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	11	12.31
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	19	12.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	19	12.31
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	19	12.31
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	8	12.28
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	8	12.28
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	8	12.28
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	2	12.27
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	2	12.27
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	2	12.27
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	13	12.26
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	13	12.26
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	13	12.26
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	20	12.25
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	20	12.25
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	20	12.25
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	9	12.24
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	9	12.24
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	9	12.24
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	15	12.24
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	15	12.24
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	15	12.24
(1,1537)	1:411:A:MET:HE1	1:372:A:LYS:HA	10	12.22
(1,1537)	1:411:A:MET:HE2	1:372:A:LYS:HA	10	12.22
(1,1537)	1:411:A:MET:HE3	1:372:A:LYS:HA	10	12.22
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	1	12.14
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	13	12.1
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	18	12.07
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	10	12.03
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	11	12.0
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	14	12.0
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	6	11.99
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	16	11.98
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	3	11.97
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	19	11.97
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	7	11.96
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	9	11.95
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	15	11.95
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	17	11.95
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	2	11.94
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	5	11.94
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	12	11.94
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	20	11.94
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	8	11.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3746)	1:426:A:GLN:H	1:453:A:LEU:HA	4	11.86
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	5	10.03
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	10	10.03
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	1	10.02
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	6	10.02
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	2	10.01
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	9	10.01
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	4	9.99
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	16	9.99
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	18	9.99
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	3	9.98
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	8	9.98
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	15	9.95
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	7	9.94
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	13	9.94
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	14	9.93
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	17	9.9
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	11	9.88
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	12	9.87
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	20	9.86
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	5	9.79
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	13	9.79
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	7	9.78
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	9	9.76
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	3	9.75
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	10	9.75
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	4	9.74
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	17	9.74
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	18	9.74
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	2	9.73
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	6	9.72
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	20	9.72
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	8	9.71
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	16	9.68
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	12	9.67
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	11	9.66
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	14	9.66
(1,3912)	1:451:A:LYS:H	1:347:A:VAL:HB	19	9.66
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	15	9.65
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	1	9.63
(1,3929)	1:355:A:TRP:HE1	1:420:A:ILE:HA	19	9.63
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	19	8.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	7	8.16
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	4	8.15
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	11	8.12
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	17	7.48
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	1	7.13
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	14	7.09
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	5	7.05
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	8	7.03
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	20	6.99
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	7	6.97
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	20	6.95
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	18	6.93
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	16	6.87
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	5	6.86
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	16	6.86
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	14	6.85
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	1	6.84
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	11	6.84
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	4	6.82
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	15	6.8
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	19	6.8
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	9	6.8
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	2	6.79
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	8	6.79
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	12	6.79
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	10	6.74
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	10	6.73
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	17	6.7
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	6	6.64
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	3	6.59
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	3	6.58
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	9	6.54
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	19	6.52
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	2	6.5
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	4	6.49
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	15	6.47
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	14	6.46
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	16	6.46
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	8	6.45
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	13	6.45
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	2	6.44
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	9	6.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	10	6.44
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	18	6.44
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	20	6.44
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	6	6.44
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	5	6.43
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	6	6.43
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	7	6.43
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	17	6.43
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	1	6.42
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	3	6.42
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	11	6.42
(1,3489)	1:367:A:ASP:H	1:356:A:TYR:HA	12	6.41
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	13	6.41
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	15	6.41
(1,972)	1:396:A:THR:HB	1:375:A:THR:HA	12	6.12
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	18	6.08
(1,3983)	1:428:A:GLU:H	1:352:A:GLN:HB2	13	6.05
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	19	5.22
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	19	5.22
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	19	5.22
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	11	5.03
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	11	5.03
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	11	5.03
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	5	5.01
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	5	5.01
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	5	5.01
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	16	4.99
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	16	4.99
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	16	4.99
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	4	4.97
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	4	4.97
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	4	4.97
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	7	4.95
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	7	4.95
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	7	4.95
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	6	4.94
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	6	4.94
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	6	4.94
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	2	4.93
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	2	4.93
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	2	4.93
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	10	4.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	10	4.93
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	10	4.93
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	17	4.93
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	17	4.93
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	17	4.93
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	9	4.92
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	9	4.92
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	9	4.92
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	1	4.91
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	1	4.91
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	1	4.91
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	3	4.91
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	3	4.91
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	3	4.91
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	12	4.91
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	12	4.91
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	12	4.91
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	18	4.91
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	18	4.91
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	18	4.91
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	20	4.9
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	20	4.9
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	20	4.9
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	13	4.89
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	13	4.89
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	13	4.89
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	15	4.89
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	15	4.89
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	15	4.89
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	8	4.88
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	8	4.88
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	8	4.88
(1,2830)	1:450:A:MET:HE1	1:419:A:GLY:H	14	4.88
(1,2830)	1:450:A:MET:HE2	1:419:A:GLY:H	14	4.88
(1,2830)	1:450:A:MET:HE3	1:419:A:GLY:H	14	4.88
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	12	4.79
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	2	4.76
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	15	4.76
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	15	4.76
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	15	4.76
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	15	4.76
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	15	4.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	15	4.76
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	15	4.76
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	15	4.76
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	15	4.76
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	5	4.75
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	18	4.75
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	18	4.75
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	18	4.75
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	18	4.75
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	18	4.75
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	18	4.75
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	18	4.75
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	18	4.75
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	18	4.75
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	4	4.73
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	16	4.73
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	1	4.7
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	1	4.7
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	1	4.7
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	1	4.7
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	1	4.7
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	1	4.7
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	1	4.7
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	1	4.7
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	1	4.7
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	16	4.7
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	16	4.7
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	16	4.7
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	16	4.7
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	16	4.7
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	16	4.7
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	16	4.7
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	16	4.7
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	16	4.7
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	11	4.69
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	5	4.69
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	5	4.69
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	5	4.69
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	5	4.69
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	5	4.69
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	5	4.69
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	5	4.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	5	4.69
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	5	4.69
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	12	4.69
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	12	4.69
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	12	4.69
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	12	4.69
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	12	4.69
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	12	4.69
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	12	4.69
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	12	4.69
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	12	4.69
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	6	4.68
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	6	4.68
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	6	4.68
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	6	4.68
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	6	4.68
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	6	4.68
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	6	4.68
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	6	4.68
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	6	4.68
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	19	4.67
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	11	4.67
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	11	4.67
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	11	4.67
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	11	4.67
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	11	4.67
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	11	4.67
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	11	4.67
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	11	4.67
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	11	4.67
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	13	4.67
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	13	4.67
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	13	4.67
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	13	4.67
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	13	4.67
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	13	4.67
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	13	4.67
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	13	4.67
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	13	4.67
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	19	4.66
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	9	4.66
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	9	4.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	9	4.66
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	9	4.66
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	9	4.66
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	9	4.66
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	9	4.66
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	9	4.66
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	9	4.66
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	2	4.65
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	2	4.65
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	2	4.65
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	2	4.65
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	2	4.65
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	2	4.65
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	2	4.65
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	2	4.65
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	2	4.65
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	14	4.65
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	14	4.65
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	14	4.65
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	14	4.65
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	14	4.65
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	14	4.65
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	14	4.65
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	14	4.65
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	14	4.65
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	20	4.65
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	20	4.65
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	20	4.65
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	20	4.65
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	20	4.65
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	20	4.65
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	20	4.65
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	20	4.65
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	20	4.65
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	4	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	4	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	4	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	4	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	4	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	4	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	4	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	4	4.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	4	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	7	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	7	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	7	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	7	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	7	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	7	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	7	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	7	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	7	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	10	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	10	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	10	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	10	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	10	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	10	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	10	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	10	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	10	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	17	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	17	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	17	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	17	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	17	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	17	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	17	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	17	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	17	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	19	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	19	4.64
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	19	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	19	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	19	4.64
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	19	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	19	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	19	4.64
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	19	4.64
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	10	4.63
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	8	4.63
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	8	4.63
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	8	4.63
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	8	4.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	8	4.63
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	8	4.63
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	8	4.63
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	8	4.63
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	8	4.63
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE1	3	4.62
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE2	3	4.62
(1,814)	1:464:A:LEU:HD11	1:456:A:MET:HE3	3	4.62
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE1	3	4.62
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE2	3	4.62
(1,814)	1:464:A:LEU:HD12	1:456:A:MET:HE3	3	4.62
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE1	3	4.62
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE2	3	4.62
(1,814)	1:464:A:LEU:HD13	1:456:A:MET:HE3	3	4.62
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	7	4.6
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	13	4.6
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	20	4.6
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	6	4.59
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	8	4.58
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	2	4.57
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	4	4.57
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	9	4.57
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	18	4.57
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	1	4.56
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	12	4.55
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	17	4.54
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	3	4.52
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	5	4.52
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	8	4.52
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	10	4.51
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	18	4.51
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	16	4.5
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	6	4.49
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	15	4.49
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	20	4.49
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	9	4.49
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	9	4.49
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	9	4.49
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	15	4.47
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	3	4.47
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	3	4.47
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	3	4.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	14	4.46
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	6	4.46
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	6	4.46
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	6	4.46
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	7	4.46
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	7	4.46
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	7	4.46
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	17	4.46
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	17	4.46
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	17	4.46
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	12	4.45
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	12	4.45
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	12	4.45
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	1	4.44
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	1	4.44
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	1	4.44
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	8	4.43
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	8	4.43
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	8	4.43
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	10	4.43
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	10	4.43
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	10	4.43
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	14	4.43
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	14	4.43
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	14	4.43
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	2	4.42
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	2	4.42
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	2	4.42
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	16	4.41
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	16	4.41
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	16	4.41
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	15	4.41
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	15	4.41
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	15	4.41
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	4	4.4
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	4	4.4
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	4	4.4
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	13	4.4
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	13	4.4
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	13	4.4
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	20	4.4
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	20	4.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	20	4.4
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	8	4.39
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	8	4.39
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	8	4.39
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	12	4.39
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	12	4.39
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	12	4.39
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	19	4.38
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	19	4.38
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	19	4.38
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	4	4.38
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	4	4.38
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	4	4.38
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	18	4.38
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	18	4.38
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	18	4.38
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	7	4.37
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	11	4.37
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	11	4.37
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	11	4.37
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	14	4.37
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	14	4.37
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	14	4.37
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	11	4.36
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	5	4.36
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	5	4.36
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	5	4.36
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	18	4.36
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	18	4.36
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	18	4.36
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	2	4.36
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	2	4.36
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	2	4.36
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	1	4.35
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	1	4.35
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	1	4.35
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	9	4.35
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	9	4.35
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	9	4.35
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	9	4.34
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	3	4.34
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	3	4.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	3	4.34
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	10	4.34
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	10	4.34
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	10	4.34
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	11	4.34
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	11	4.34
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	11	4.34
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	16	4.34
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	16	4.34
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	16	4.34
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	7	4.33
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	7	4.33
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	7	4.33
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	5	4.32
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	5	4.32
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	5	4.32
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	6	4.32
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	6	4.32
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	6	4.32
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	13	4.31
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	13	4.31
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	13	4.31
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	17	4.31
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	17	4.31
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	17	4.31
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	17	4.3
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	14	4.3
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	1	4.27
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	8	4.26
(1,735)	1:413:A:ILE:HD11	1:422:A:ASP:HA	15	4.26
(1,735)	1:413:A:ILE:HD12	1:422:A:ASP:HA	15	4.26
(1,735)	1:413:A:ILE:HD13	1:422:A:ASP:HA	15	4.26
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	18	4.25
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	19	4.25
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	19	4.25
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	19	4.25
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	6	4.24
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	17	4.24
(1,480)	1:343:A:THR:HG21	1:361:A:LYS:HA	20	4.24
(1,480)	1:343:A:THR:HG22	1:361:A:LYS:HA	20	4.24
(1,480)	1:343:A:THR:HG23	1:361:A:LYS:HA	20	4.24
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	16	4.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	11	4.16
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	20	4.16
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	2	4.16
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	13	4.16
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	13	4.15
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	6	4.14
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	12	4.14
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	17	4.14
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	20	4.11
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	1	4.09
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	2	4.09
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	13	4.09
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	15	4.09
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	16	4.09
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	9	4.08
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	1	4.08
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	1	4.07
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	10	4.07
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	5	4.07
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	4	4.06
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	15	4.06
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	7	4.05
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	10	4.05
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	14	4.05
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	3	4.05
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	18	4.04
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	3	4.03
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	4	4.03
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	5	4.02
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	18	4.02
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	3	4.02
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	16	4.01
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	19	4.0
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	6	4.0
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	9	4.0
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	12	4.0
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	12	4.0
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	9	4.0
(1,4155)	1:346:A:GLU:H	1:380:A:GLY:H	8	3.99
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	7	3.99
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	14	3.99
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	10	3.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	1	3.98
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	17	3.97
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	16	3.96
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	2	3.95
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	12	3.95
(1,3531)	1:424:A:ASP:H	1:426:A:GLN:HE21	3	3.94
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	11	3.93
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	18	3.92
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	2	3.92
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	15	3.92
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	20	3.92
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	19	3.91
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	4	3.9
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	7	3.9
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	16	3.89
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	10	3.89
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	7	3.88
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	6	3.87
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	11	3.87
(1,3665)	1:371:A:GLY:H	1:419:A:GLY:HA3	19	3.86
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	5	3.85
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	5	3.85
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	8	3.84
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	11	3.83
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	18	3.83
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	13	3.82
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	20	3.82
(1,3734)	1:441:A:GLY:H	1:434:A:TRP:HA	14	3.82
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	7	3.82
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	3	3.81
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	17	3.81
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	19	3.8
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	1	3.79
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	14	3.79
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	6	3.78
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	19	3.77
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	13	3.77
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	17	3.75
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	8	3.75
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	4	3.74
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	12	3.74
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	13	3.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	9	3.72
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	20	3.72
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	19	3.72
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	17	3.71
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	15	3.71
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	14	3.71
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	2	3.7
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	8	3.7
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	15	3.7
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	6	3.7
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	4	3.7
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	14	3.69
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	1	3.68
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	2	3.68
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	5	3.68
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	10	3.67
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	6	3.67
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	15	3.66
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	19	3.66
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	8	3.66
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	9	3.66
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	13	3.65
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	10	3.64
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	4	3.64
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	7	3.64
(1,4206)	1:430:A:GLY:H	1:437:A:ARG:HB2	3	3.63
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	9	3.63
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	12	3.63
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	13	3.63
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	14	3.63
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	4	3.63
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	6	3.63
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	17	3.62
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	20	3.62
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	18	3.62
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	20	3.62
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	16	3.62
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	5	3.61
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	3	3.61
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	8	3.61
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	11	3.61
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	18	3.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	3	3.61
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	12	3.61
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	16	3.61
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	12	3.61
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	5	3.59
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	11	3.59
(1,3796)	1:456:A:MET:H	1:461:A:THR:HB	16	3.58
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	1	3.58
(1,555)	1:423:A:SER:HB2	1:406:A:PRO:HA	9	3.58
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	2	3.56
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	15	3.56
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	18	3.56
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	7	3.55
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	11	3.53
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	10	3.52
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	7	3.52
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	9	3.52
(1,3723)	1:375:A:THR:H	1:434:A:TRP:HA	7	3.51
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	17	3.51
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	4	3.5
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	19	3.49
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	3	3.49
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	10	3.49
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	9	3.47
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	18	3.46
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	2	3.46
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	5	3.46
(1,3839)	1:417:A:GLY:H	1:420:A:ILE:H	11	3.45
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	12	3.41
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	14	3.41
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	6	3.4
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	11	3.39
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	3	3.37
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	8	3.37
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	10	3.37
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	13	3.37
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	4	3.36
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	8	3.36
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	14	3.36
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	4	3.36
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	15	3.36
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	20	3.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	1	3.35
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	13	3.35
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	17	3.35
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	18	3.35
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	8	3.35
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	13	3.34
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	15	3.34
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	17	3.34
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	14	3.34
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	2	3.33
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	5	3.33
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	7	3.33
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	1	3.33
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	2	3.32
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	10	3.32
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	3	3.31
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	9	3.31
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	16	3.31
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	19	3.31
(1,3856)	1:355:A:TRP:HE1	1:364:A:LEU:HG	20	3.31
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	12	3.29
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	15	3.29
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	13	3.27
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	6	3.25
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	18	3.22
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	8	3.21
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	9	3.21
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	13	3.2
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	3	3.19
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	2	3.18
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	4	3.18
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	15	3.18
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	17	3.18
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	5	3.17
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	7	3.16
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	19	3.16
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	1	3.16
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	19	3.16
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	17	3.15
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	10	3.15
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	12	3.15
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	20	3.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	11	3.14
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	16	3.14
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	5	3.12
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	7	3.12
(1,1119)	1:345:A:ILE:HG13	1:413:A:ILE:HB	20	3.12
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	14	3.11
(1,3479)	1:442:A:CYS:H	1:443:A:ILE:HG12	14	3.11
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	16	3.1
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	10	3.07
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	12	3.07
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	5	3.07
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	18	3.07
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	6	3.06
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	4	3.05
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	1	3.05
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	3	3.03
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	11	3.03
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	8	3.02
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	16	3.02
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	19	3.02
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	20	3.01
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	1	2.99
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	18	2.99
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	1	2.99
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	13	2.97
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	13	2.96
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	13	2.96
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	13	2.96
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	9	2.95
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	10	2.95
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	10	2.95
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	10	2.95
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	14	2.95
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	14	2.95
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	14	2.95
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	2	2.94
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	5	2.94
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	5	2.94
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	5	2.94
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	18	2.94
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	7	2.93
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	7	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	7	2.93
(1,3844)	1:374:A:THR:H	1:434:A:TRP:HA	15	2.92
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	3	2.9
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	3	2.9
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	3	2.9
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	1	2.89
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	1	2.89
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	1	2.89
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	7	2.88
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	7	2.88
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	8	2.88
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	8	2.88
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	8	2.88
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	18	2.86
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	12	2.86
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	12	2.86
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	4	2.86
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	4	2.86
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	4	2.86
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	11	2.85
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	11	2.85
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	2	2.85
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	2	2.85
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	2	2.85
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	16	2.84
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	15	2.83
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	15	2.83
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	15	2.83
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	16	2.82
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	9	2.82
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	9	2.82
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	9	2.82
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	20	2.82
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	20	2.82
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	20	2.82
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	6	2.81
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	19	2.81
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	19	2.81
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	20	2.81
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	20	2.81
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	5	2.81
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	6	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	6	2.8
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	6	2.8
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	11	2.8
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	18	2.8
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	15	2.79
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	17	2.79
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	17	2.79
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	17	2.79
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	9	2.79
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	3	2.79
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	4	2.79
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	8	2.79
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	10	2.79
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	12	2.79
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	13	2.79
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	14	2.79
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	1	2.78
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	3	2.78
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	16	2.78
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	16	2.78
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	16	2.78
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	18	2.78
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	1	2.78
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	2	2.78
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	5	2.78
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	6	2.78
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	9	2.78
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	15	2.78
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	16	2.78
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	17	2.78
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	19	2.78
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	20	2.78
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	18	2.77
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	18	2.77
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	18	2.77
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	2	2.77
(1,517)	1:397:A:ASN:HA	1:397:A:ASN:HB3	7	2.77
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	4	2.76
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	10	2.76
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	12	2.76
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	14	2.75
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	7	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	10	2.75
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	10	2.75
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	11	2.75
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	11	2.75
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	11	2.75
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	12	2.75
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	12	2.75
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	12	2.75
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	8	2.75
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	14	2.75
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	15	2.75
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	20	2.75
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	4	2.73
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	16	2.73
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	9	2.72
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	9	2.72
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	9	2.72
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	10	2.72
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	17	2.72
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	16	2.72
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	20	2.72
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	19	2.72
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	20	2.72
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	5	2.71
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	5	2.71
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	5	2.71
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	6	2.71
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	6	2.71
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	6	2.71
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	7	2.71
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	7	2.71
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	7	2.71
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	2	2.71
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	9	2.71
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	2	2.71
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	3	2.71
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	9	2.71
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	10	2.71
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	3	2.71
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	11	2.71
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	13	2.71
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	12	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	19	2.7
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	19	2.7
(1,3369)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	19	2.7
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	5	2.7
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	6	2.7
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	7	2.7
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	8	2.7
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	11	2.7
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	12	2.7
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	13	2.7
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	14	2.7
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	17	2.7
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	18	2.7
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	17	2.7
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	15	2.7
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	8	2.69
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	16	2.69
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	16	2.69
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	1	2.69
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	4	2.69
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	15	2.69
(1,3160)	1:350:A:GLU:HA	1:351:A:ASN:HB3	19	2.69
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	1	2.69
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	1	2.68
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	1	2.68
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	1	2.68
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	10	2.68
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	10	2.68
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	10	2.68
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	17	2.68
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	17	2.68
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	4	2.67
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	4	2.67
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	4	2.67
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	19	2.67
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	19	2.67
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	19	2.67
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	14	2.67
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	14	2.67
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	11	2.66
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	11	2.66
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	11	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	2	2.65
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	11	2.64
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	12	2.64
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	11	2.64
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	4	2.64
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	4	2.64
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	6	2.63
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	17	2.63
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	17	2.63
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	17	2.63
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	6	2.63
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	6	2.63
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	9	2.62
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	4	2.62
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	3	2.62
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	8	2.62
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	13	2.62
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	14	2.62
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	15	2.62
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	17	2.62
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	4	2.61
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	13	2.61
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	14	2.61
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	14	2.61
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	14	2.61
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	14	2.61
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	8	2.61
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	2	2.61
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	4	2.61
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	5	2.61
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	7	2.61
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	9	2.61
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	12	2.61
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	16	2.61
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	19	2.61
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	1	2.6
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	10	2.6
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	12	2.6
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	12	2.6
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	12	2.6
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	16	2.6
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	16	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	16	2.6
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	5	2.6
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	5	2.6
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	10	2.6
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	14	2.6
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	1	2.6
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	3	2.59
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	18	2.59
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	18	2.59
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	18	2.59
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	19	2.59
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	19	2.59
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	19	2.59
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	2	2.57
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	5	2.57
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	16	2.57
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	17	2.57
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	18	2.57
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	20	2.57
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	15	2.57
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	15	2.57
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	15	2.57
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	19	2.56
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	8	2.56
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	8	2.56
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	8	2.56
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	12	2.56
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	3	2.56
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	3	2.56
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	3	2.56
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	17	2.56
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	17	2.56
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	17	2.56
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	15	2.55
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	3	2.55
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	3	2.55
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	3	2.55
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	15	2.55
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	15	2.55
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	15	2.55
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	13	2.55
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	6	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	6	2.55
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	9	2.55
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	9	2.55
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	6	2.55
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	6	2.55
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	6	2.55
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	8	2.55
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	8	2.55
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	8	2.55
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	7	2.54
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	5	2.54
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	5	2.54
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	5	2.54
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	9	2.54
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	9	2.54
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	9	2.54
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	10	2.54
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	10	2.54
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	10	2.54
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	20	2.54
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	20	2.54
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	20	2.54
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	2	2.53
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	2	2.53
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	2	2.53
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	4	2.53
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	2	2.53
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	2	2.53
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	2	2.53
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	12	2.53
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	12	2.53
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	12	2.53
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	13	2.53
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	13	2.53
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	13	2.53
(1,3996)	1:409:A:TYR:H	1:454:A:PHE:HB2	8	2.52
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	13	2.52
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	13	2.52
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	13	2.52
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG21	20	2.52
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG22	20	2.52
(1,3879)	1:429:A:TYR:H	1:369:A:VAL:HG23	20	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	13	2.52
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	13	2.52
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	19	2.52
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	19	2.52
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	19	2.52
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	7	2.52
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	7	2.52
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	7	2.52
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	8	2.52
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	20	2.52
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	11	2.51
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	11	2.51
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	11	2.51
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	7	2.51
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	10	2.51
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	13	2.51
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	2	2.5
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	2	2.5
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	1	2.49
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	1	2.49
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	3	2.49
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	3	2.49
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	5	2.49
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	5	2.49
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	5	2.49
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	1	2.49
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	1	2.49
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	1	2.49
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	14	2.49
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	14	2.49
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	14	2.49
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	2	2.49
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	3	2.49
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	14	2.49
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	15	2.49
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	5	2.49
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	12	2.49
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	4	2.48
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	4	2.48
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	4	2.48
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	4	2.48
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	6	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	8	2.48
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	9	2.48
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	11	2.48
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	17	2.48
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	19	2.48
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	5	2.47
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	1	2.47
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	5	2.47
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	12	2.47
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	16	2.47
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	18	2.47
(1,1256)	1:374:A:THR:HB	1:373:A:PRO:HA	20	2.47
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	1	2.47
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	7	2.47
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	18	2.46
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	18	2.46
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	18	2.46
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	12	2.46
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	1	2.45
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	1	2.45
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	1	2.45
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	3	2.45
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	3	2.45
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	3	2.45
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	19	2.45
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	1	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	1	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	4	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	4	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	5	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	5	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	6	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	6	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	11	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	11	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	12	2.44
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	12	2.44
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	6	2.44
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	18	2.43
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	18	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	2	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	2	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	3	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	3	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	8	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	8	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	10	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	10	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	13	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	13	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	14	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	14	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	20	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	20	2.43
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	7	2.43
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	7	2.43
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	7	2.43
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	12	2.43
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	12	2.43
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	12	2.43
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	7	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	7	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	9	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	9	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	15	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	15	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	16	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	16	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	17	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	17	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	18	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	18	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	19	2.42
(1,2857)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	19	2.42
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	4	2.42
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	4	2.42
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	4	2.42
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	8	2.42
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	8	2.42
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	8	2.42
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	10	2.42
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	10	2.42
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	10	2.42
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	11	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	11	2.42
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	11	2.42
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	17	2.42
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	17	2.42
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	17	2.42
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	15	2.41
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	15	2.41
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	2	2.41
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	2	2.41
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	2	2.41
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	6	2.41
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	6	2.41
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	6	2.41
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	9	2.41
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	9	2.41
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	9	2.41
(1,1561)	1:407:A:VAL:HG21	1:390:A:ASP:HB2	16	2.41
(1,1561)	1:407:A:VAL:HG22	1:390:A:ASP:HB2	16	2.41
(1,1561)	1:407:A:VAL:HG23	1:390:A:ASP:HB2	16	2.41
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	14	2.41
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	14	2.41
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	14	2.41
(1,3402)	1:466:A:PHE:HE1	1:348:A:ASP:HB3	8	2.4
(1,3402)	1:466:A:PHE:HE2	1:348:A:ASP:HB3	8	2.4
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	16	2.4
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	16	2.4
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	16	2.4
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	4	2.4
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	9	2.39
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	2	2.39
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	5	2.39
(1,3555)	1:422:A:ASP:H	1:412:A:PRO:HD3	20	2.38
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	6	2.38
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	10	2.38
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	3	2.38
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	8	2.38
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	15	2.38
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	16	2.38
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	18	2.38
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	20	2.38
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	12	2.37
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	14	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	15	2.37
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	9	2.37
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	11	2.37
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	14	2.37
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	17	2.37
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	14	2.36
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	14	2.36
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	14	2.36
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	8	2.36
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	10	2.36
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	13	2.36
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	4	2.35
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	7	2.35
(1,815)	1:401:A:THR:HB	1:400:A:GLY:HA3	17	2.35
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	13	2.34
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	13	2.34
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	13	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	1	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	1	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	1	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	2	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	2	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	2	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	4	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	4	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	4	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	6	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	6	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	6	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	9	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	9	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	9	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	11	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	11	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	11	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	13	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	13	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	13	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	17	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	17	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	17	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	18	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	18	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	18	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	20	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	20	2.34
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	20	2.34
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	13	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	3	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	3	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	3	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	5	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	5	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	5	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	7	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	7	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	7	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	8	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	8	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	8	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	10	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	10	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	10	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	12	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	12	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	12	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	15	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	15	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	15	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	16	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	16	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	16	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE1	19	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE2	19	2.33
(1,1366)	1:450:A:MET:HB3	1:450:A:MET:HE3	19	2.33
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	2	2.32
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	3	2.32
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	4	2.32
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	5	2.32
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	8	2.32
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	10	2.32
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	16	2.32
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	19	2.32
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	1	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	9	2.31
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	11	2.31
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	14	2.31
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	15	2.31
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	17	2.31
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	18	2.31
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	19	2.31
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	20	2.31
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	19	2.31
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	20	2.31
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	20	2.31
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	20	2.31
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	6	2.3
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	12	2.3
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	13	2.3
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	4	2.3
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	11	2.3
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	18	2.3
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	18	2.3
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	18	2.3
(1,4087)	1:452:A:GLU:H	1:453:A:LEU:HG	7	2.29
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	10	2.29
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	12	2.29
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	20	2.29
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	5	2.28
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	16	2.28
(1,2768)	1:413:A:ILE:HD11	1:410:A:TRP:HA	15	2.28
(1,2768)	1:413:A:ILE:HD12	1:410:A:TRP:HA	15	2.28
(1,2768)	1:413:A:ILE:HD13	1:410:A:TRP:HA	15	2.28
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	2	2.28
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	11	2.28
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	17	2.28
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	16	2.27
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	8	2.26
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	8	2.26
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	1	2.25
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	4	2.25
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	11	2.25
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	19	2.25
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	5	2.24
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	11	2.24
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	13	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	18	2.24
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	5	2.24
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	5	2.24
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	5	2.24
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	15	2.24
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	15	2.24
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	15	2.24
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	1	2.24
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	3	2.24
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	5	2.24
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	6	2.24
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	7	2.24
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	8	2.24
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	10	2.24
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	12	2.24
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	20	2.24
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	5	2.24
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	10	2.24
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	17	2.24
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	18	2.24
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	7	2.23
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	20	2.23
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	18	2.23
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	18	2.23
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	18	2.23
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	2	2.23
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	4	2.23
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	9	2.23
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	11	2.23
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	13	2.23
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	15	2.23
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	16	2.23
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	17	2.23
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	18	2.23
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	3	2.23
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	15	2.23
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	16	2.23
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	3	2.22
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	9	2.22
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	15	2.22
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	7	2.22
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	7	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	7	2.22
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	14	2.22
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	14	2.22
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	14	2.22
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	19	2.22
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	2	2.22
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	9	2.22
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	13	2.22
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	14	2.22
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	20	2.22
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	14	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	2	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	2	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	2	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	3	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	3	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	3	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	8	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	8	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	8	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	9	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	9	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	9	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	11	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	11	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	11	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	12	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	12	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	12	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	16	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	16	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	16	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	17	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	17	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	17	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	19	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	19	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	19	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	20	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	20	2.21
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	20	2.21
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	11	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	2	2.2
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	12	2.2
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	17	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	4	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	4	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	4	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	6	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	6	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	6	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	10	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	10	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	10	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	13	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	13	2.2
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	13	2.2
(1,1948)	1:450:A:MET:HB3	1:450:A:MET:HG3	14	2.2
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	8	2.2
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	19	2.19
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	19	2.19
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	19	2.19
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	16	2.19
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	4	2.19
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	17	2.19
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	19	2.18
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	1	2.18
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	1	2.17
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	2	2.17
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	7	2.16
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	1	2.15
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	1	2.15
(1,2108)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	1	2.15
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	6	2.15
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	12	2.15
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	19	2.14
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	5	2.13
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	5	2.13
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	5	2.13
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	6	2.13
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	11	2.13
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	14	2.13
(1,1790)	1:400:A:GLY:HA2	1:401:A:THR:HB	7	2.13
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	1	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	2	2.12
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	7	2.12
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	13	2.12
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	17	2.12
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	1	2.11
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	5	2.11
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	10	2.11
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	14	2.11
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	18	2.11
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	5	2.11
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	5	2.11
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	5	2.11
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	12	2.11
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	19	2.11
(1,3764)	1:392:A:THR:H	1:406:A:PRO:HB2	10	2.1
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	15	2.1
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	3	2.1
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	9	2.1
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	3	2.09
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	9	2.09
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	12	2.09
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	16	2.09
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	3	2.09
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	16	2.09
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	20	2.09
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	15	2.08
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	13	2.08
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	17	2.08
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	20	2.08
(1,2068)	1:428:A:GLU:HG3	1:427:A:PRO:HA	7	2.08
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	13	2.08
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	5	2.08
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	11	2.08
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	18	2.07
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	4	2.07
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	4	2.07
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	4	2.07
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	5	2.07
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	5	2.07
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	5	2.07
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	1	2.06
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	5	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	11	2.06
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	4	2.06
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	6	2.06
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	7	2.06
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	8	2.06
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	14	2.06
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	11	2.06
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	11	2.06
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	11	2.06
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	4	2.06
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	2	2.05
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	2	2.05
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	3	2.05
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	9	2.05
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	10	2.05
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	13	2.05
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	14	2.05
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	20	2.05
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	19	2.05
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	19	2.05
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	10	2.05
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	15	2.05
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	8	2.05
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	8	2.05
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	8	2.05
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	9	2.05
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	9	2.05
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	9	2.05
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	15	2.05
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	15	2.05
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	15	2.05
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	6	2.05
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	7	2.05
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	8	2.05
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	12	2.05
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	14	2.05
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	15	2.05
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	16	2.04
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	16	2.04
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	16	2.04
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	5	2.04
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	7	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	13	2.04
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	16	2.04
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	4	2.04
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	7	2.04
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	8	2.04
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	12	2.04
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	16	2.04
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	17	2.04
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	18	2.04
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	8	2.04
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	7	2.04
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	10	2.04
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	17	2.04
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	20	2.04
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	1	2.04
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	1	2.04
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	1	2.04
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	2	2.04
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	2	2.04
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	2	2.04
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	7	2.04
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	7	2.04
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	7	2.04
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	17	2.04
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	17	2.04
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	17	2.04
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	9	2.04
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	10	2.04
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	11	2.04
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	17	2.04
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	20	2.04
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	10	2.03
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	19	2.03
(1,2840)	1:396:A:THR:HB	1:395:A:GLY:HA3	6	2.03
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	11	2.03
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	4	2.03
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	6	2.03
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	7	2.03
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	19	2.03
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	14	2.03
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	14	2.03
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	14	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	2	2.03
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	13	2.03
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	19	2.03
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	4	2.02
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	20	2.02
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	1	2.02
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	2	2.02
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	3	2.02
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	6	2.02
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	12	2.02
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	13	2.02
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	15	2.02
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	16	2.02
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	18	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	1	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	2	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	3	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	5	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	8	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	9	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	10	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	11	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	12	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	13	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	14	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	15	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	16	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	17	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	18	2.02
(1,1345)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	20	2.02
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	3	2.02
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	3	2.02
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	3	2.02
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	6	2.02
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	6	2.02
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	6	2.02
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	12	2.02
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	12	2.02
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	12	2.02
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	13	2.02
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	13	2.02
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	13	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	19	2.02
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	19	2.02
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	19	2.02
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	20	2.02
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	20	2.02
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	20	2.02
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	8	2.01
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	9	2.01
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	14	2.01
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	4	2.01
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	8	2.01
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	9	2.01
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	14	2.01
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	6	2.01
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	3	2.01
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	3	2.0
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	1	2.0
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	1	2.0
(1,1610)	1:453:A:LEU:HB3	1:454:A:PHE:H	5	2.0
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	16	2.0
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	16	2.0
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	16	2.0
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	18	2.0
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	18	2.0
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	18	2.0
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	11	1.99
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	11	1.99
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	11	1.99
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	6	1.99
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	15	1.99
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	18	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	1	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	3	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	4	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	5	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	7	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	8	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	10	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	11	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	12	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	13	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	15	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	16	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	17	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	18	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	19	1.99
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	20	1.99
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	13	1.99
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	13	1.99
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	13	1.99
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	6	1.99
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	16	1.99
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	16	1.99
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	16	1.99
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	11	1.98
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	17	1.98
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	19	1.98
(1,3175)	1:345:A:ILE:HG12	1:345:A:ILE:H	6	1.98
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	6	1.98
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	14	1.98
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	15	1.98
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	12	1.97
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	12	1.97
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	12	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	2	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	3	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	5	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	6	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	8	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	9	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	10	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	11	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	13	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	15	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	17	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	18	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	19	1.97
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	20	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	1	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	2	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	3	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	4	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	5	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	6	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	7	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	8	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	9	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	10	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	11	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	12	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	13	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	14	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	15	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	16	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	17	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	18	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	19	1.97
(1,1546)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	20	1.97
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	19	1.97
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	19	1.97
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	19	1.97
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	10	1.97
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	10	1.97
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	10	1.97
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	14	1.97
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	14	1.97
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	14	1.97
(1,464)	1:407:A:VAL:HG11	1:405:A:SER:HB3	10	1.97
(1,464)	1:407:A:VAL:HG12	1:405:A:SER:HB3	10	1.97
(1,464)	1:407:A:VAL:HG13	1:405:A:SER:HB3	10	1.97
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	18	1.96
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	18	1.96
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	18	1.96
(1,3833)	1:355:A:TRP:HE1	1:353:A:HIS:HB2	12	1.96
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	1	1.96
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	4	1.96
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	7	1.96
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	12	1.96
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	14	1.96
(1,1663)	1:450:A:MET:HA	1:451:A:LYS:HB2	16	1.96
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	12	1.96
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	12	1.96
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	12	1.96
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	14	1.96
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	14	1.96
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	14	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	5	1.96
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	5	1.96
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	5	1.96
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	7	1.96
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	7	1.96
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	7	1.96
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	20	1.96
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	17	1.95
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	17	1.95
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	17	1.95
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	11	1.95
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	11	1.95
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	11	1.95
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	2	1.95
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	17	1.95
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	20	1.95
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	2	1.94
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	3	1.94
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	7	1.94
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	17	1.94
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	17	1.94
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	17	1.94
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	3	1.94
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	4	1.94
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	2	1.94
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	15	1.94
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	18	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	1	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	2	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	3	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	4	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	5	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	7	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	8	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	10	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	11	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	15	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	17	1.94
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	20	1.94
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	4	1.93
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	4	1.93
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	4	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	2	1.93
(1,2308)	1:446:A:PRO:HA	1:447:A:PRO:HD3	9	1.93
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	10	1.93
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	10	1.93
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	10	1.93
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	5	1.93
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	10	1.93
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	18	1.93
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	3	1.93
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	7	1.93
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	8	1.93
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	11	1.93
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	19	1.93
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	6	1.93
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	9	1.93
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	12	1.93
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	13	1.93
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	14	1.93
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	16	1.93
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	18	1.93
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	6	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	6	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	6	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	7	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	7	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	7	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	10	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	10	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	10	1.92
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	4	1.92
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	4	1.92
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	4	1.92
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	7	1.92
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	7	1.92
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	7	1.92
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	9	1.92
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	9	1.92
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	9	1.92
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	13	1.92
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	13	1.92
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	13	1.92
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	18	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	18	1.92
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	18	1.92
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	9	1.92
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	12	1.92
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	14	1.92
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	1	1.92
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	6	1.92
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	9	1.92
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	16	1.92
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	17	1.92
(1,647)	1:410:A:TRP:HB2	1:410:A:TRP:HA	19	1.92
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	2	1.91
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	2	1.91
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	2	1.91
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	9	1.91
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	9	1.91
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	9	1.91
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	14	1.91
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	14	1.91
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	14	1.91
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	10	1.91
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	16	1.91
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	1	1.91
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	1	1.91
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	1	1.91
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	2	1.91
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	2	1.91
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	2	1.91
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	6	1.91
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	6	1.91
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	6	1.91
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	3	1.91
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	3	1.91
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	3	1.91
(1,1162)	1:341:A:GLU:HA	1:340:A:MET:H	5	1.91
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	19	1.91
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	12	1.91
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	8	1.91
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	18	1.91
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	8	1.91
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	3	1.9
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	3	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	3	1.9
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	3	1.9
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	3	1.9
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	3	1.9
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	1	1.9
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	1	1.9
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	1	1.9
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	8	1.9
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	8	1.9
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	8	1.9
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	8	1.9
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	11	1.9
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	5	1.9
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	10	1.9
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	14	1.9
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	13	1.89
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	13	1.89
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	13	1.89
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	4	1.89
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	19	1.89
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	6	1.89
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	11	1.89
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	15	1.89
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	20	1.89
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	20	1.89
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	20	1.89
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	19	1.89
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	19	1.89
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	19	1.89
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	9	1.88
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	15	1.88
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	2	1.88
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	4	1.88
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	7	1.88
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	9	1.88
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	10	1.88
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	18	1.88
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	19	1.88
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	7	1.88
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	1	1.88
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	4	1.88
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	7	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	1	1.87
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	1	1.87
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	1	1.87
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	16	1.87
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	19	1.87
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	15	1.87
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	15	1.87
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	15	1.87
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	4	1.87
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	4	1.87
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	4	1.87
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	13	1.87
(1,998)	1:435:A:LYS:HG3	1:435:A:LYS:H	13	1.87
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	19	1.86
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	19	1.86
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	19	1.86
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	18	1.86
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	19	1.86
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	19	1.86
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	19	1.86
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	1	1.86
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	3	1.86
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	18	1.86
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	5	1.86
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	14	1.86
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	15	1.85
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	15	1.85
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	15	1.85
(1,1916)	1:352:A:GLN:HG2	1:352:A:GLN:HE21	3	1.85
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	1	1.85
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	2	1.85
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	2	1.85
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	2	1.85
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	1	1.85
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	6	1.85
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	19	1.85
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	20	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	1	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	2	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	3	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	4	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	5	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	6	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	7	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	8	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	9	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	10	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	11	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	12	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	13	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	14	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	15	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	16	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	17	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	18	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	19	1.85
(1,42)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	20	1.85
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	20	1.84
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	20	1.84
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	20	1.84
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	10	1.84
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	10	1.84
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	10	1.84
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	12	1.84
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	12	1.84
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	12	1.84
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	13	1.84
(1,1336)	1:411:A:MET:HE1	1:420:A:ILE:HA	8	1.84
(1,1336)	1:411:A:MET:HE2	1:420:A:ILE:HA	8	1.84
(1,1336)	1:411:A:MET:HE3	1:420:A:ILE:HA	8	1.84
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	20	1.84
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	20	1.84
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	20	1.84
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	3	1.84
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	1	1.84
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	3	1.84
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	4	1.84
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	19	1.84
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	19	1.84
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	19	1.84
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	5	1.84
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	15	1.84
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	12	1.84
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	11	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	2	1.83
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	2	1.83
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	2	1.83
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	6	1.83
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	6	1.83
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	6	1.83
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	17	1.83
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	17	1.83
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	17	1.83
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	18	1.83
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	18	1.83
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	18	1.83
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	9	1.83
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	9	1.83
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	9	1.83
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	15	1.83
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	15	1.83
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	15	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	1	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	2	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	4	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	5	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	6	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	7	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	8	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	9	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	10	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	11	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	12	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	13	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	14	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	15	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	16	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	17	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	18	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	19	1.83
(1,1271)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	20	1.83
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	5	1.83
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	5	1.83
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	5	1.83
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	7	1.83
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	10	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	3	1.83
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE1	8	1.82
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE2	8	1.82
(1,3845)	1:420:A:ILE:H	1:411:A:MET:HE3	8	1.82
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	19	1.82
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	3	1.82
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	3	1.82
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	3	1.82
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	5	1.82
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	5	1.82
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	5	1.82
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	11	1.82
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	11	1.82
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	11	1.82
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	14	1.82
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	14	1.82
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	14	1.82
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	15	1.82
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	15	1.82
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	15	1.82
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	16	1.82
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	16	1.82
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	16	1.82
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	18	1.82
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	18	1.82
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	18	1.82
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	20	1.82
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	20	1.82
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	20	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	2	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	3	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	5	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	6	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	7	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	8	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	9	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	10	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	11	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	12	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	13	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	14	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	15	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	17	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	18	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	19	1.82
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	20	1.82
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	9	1.82
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	13	1.82
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	13	1.82
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	13	1.82
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	17	1.82
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	13	1.82
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	7	1.82
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	2	1.82
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	4	1.82
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	13	1.82
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	18	1.82
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	7	1.81
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	1	1.81
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	1	1.81
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	1	1.81
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	1	1.81
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	4	1.81
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	16	1.81
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	20	1.81
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	20	1.81
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	20	1.81
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	20	1.81
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	13	1.81
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	4	1.81
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	5	1.81
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	14	1.81
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	6	1.81
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	6	1.81
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	6	1.81
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	16	1.81
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	11	1.81
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	2	1.81
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	9	1.81
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	14	1.81
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	17	1.81
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	3	1.81
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	8	1.81
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	9	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	14	1.81
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	18	1.81
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	10	1.81
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	15	1.81
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	1	1.8
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	8	1.8
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	10	1.8
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	13	1.8
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	14	1.8
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	16	1.8
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	18	1.8
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	19	1.8
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	20	1.8
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	7	1.8
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	7	1.8
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	7	1.8
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	9	1.8
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	9	1.8
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	9	1.8
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	13	1.8
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	13	1.8
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	13	1.8
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	19	1.8
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	19	1.8
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	19	1.8
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	14	1.8
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	5	1.8
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	5	1.8
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	5	1.8
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	14	1.8
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	17	1.8
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	8	1.8
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	9	1.8
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	12	1.8
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	17	1.8
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	17	1.8
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	17	1.8
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	17	1.8
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	18	1.8
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	11	1.8
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	15	1.8
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	20	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	10	1.8
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	16	1.8
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	12	1.79
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	12	1.79
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	12	1.79
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	13	1.79
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	13	1.79
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	13	1.79
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	2	1.79
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	3	1.79
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	4	1.79
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	5	1.79
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	6	1.79
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	9	1.79
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	11	1.79
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	12	1.79
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	15	1.79
(1,3201)	1:434:A:TRP:HH2	1:434:A:TRP:HB3	17	1.79
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	5	1.79
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	7	1.79
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	15	1.79
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	9	1.79
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	2	1.79
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	2	1.79
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	2	1.79
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	16	1.79
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	16	1.79
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	16	1.79
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	17	1.79
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	17	1.79
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	17	1.79
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	14	1.79
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	11	1.79
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	2	1.79
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	3	1.79
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	15	1.79
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	16	1.79
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	16	1.79
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	16	1.79
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	2	1.79
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	4	1.79
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	6	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	10	1.79
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	19	1.79
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	20	1.79
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	2	1.79
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	9	1.79
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	2	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	2	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	2	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	3	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	3	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	3	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	6	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	6	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	6	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	10	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	10	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	10	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	11	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	11	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	11	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	14	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	14	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	14	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	17	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	17	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	17	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	18	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	18	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	18	1.78
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	2	1.78
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	12	1.78
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	16	1.78
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	17	1.78
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	19	1.78
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	4	1.78
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	4	1.78
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	4	1.78
(1,3009)	1:407:A:VAL:HG21	1:391:A:ALA:HA	8	1.78
(1,3009)	1:407:A:VAL:HG22	1:391:A:ALA:HA	8	1.78
(1,3009)	1:407:A:VAL:HG23	1:391:A:ALA:HA	8	1.78
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	2	1.78
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	4	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	6	1.78
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	15	1.78
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	19	1.78
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	11	1.78
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	11	1.78
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	11	1.78
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	12	1.78
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	12	1.78
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	12	1.78
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	4	1.78
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	7	1.78
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	12	1.78
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	5	1.78
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	12	1.78
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	12	1.78
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	16	1.78
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	1	1.78
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	11	1.78
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	11	1.78
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	11	1.78
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	17	1.78
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	17	1.78
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	17	1.78
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	14	1.78
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	11	1.78
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	12	1.78
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	6	1.78
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	1	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	1	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	1	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	5	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	5	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	5	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	13	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	13	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	13	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	15	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	15	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	15	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	16	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	16	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	16	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	20	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	20	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	20	1.77
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	1	1.77
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	6	1.77
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	8	1.77
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	13	1.77
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	16	1.77
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	18	1.77
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	10	1.77
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	10	1.77
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	10	1.77
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	14	1.77
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	14	1.77
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	14	1.77
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	6	1.77
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	8	1.77
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	14	1.77
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	20	1.77
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	15	1.77
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	3	1.77
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	8	1.77
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	11	1.77
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	12	1.77
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	17	1.77
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	18	1.77
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	3	1.77
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	3	1.77
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	3	1.77
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	15	1.77
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	15	1.77
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	15	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	1	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	2	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	3	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	4	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	6	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	8	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	9	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	11	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	12	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	14	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	15	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	16	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	17	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	18	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	19	1.77
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	20	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	1	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	2	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	3	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	4	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	5	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	6	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	7	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	8	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	9	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	10	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	11	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	12	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	13	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	14	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	15	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	16	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	17	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	18	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	19	1.77
(1,1799)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	20	1.77
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	5	1.77
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	12	1.77
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	20	1.77
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	6	1.77
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	10	1.77
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	11	1.77
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	18	1.77
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	18	1.77
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	18	1.77
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	20	1.77
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	8	1.77
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	9	1.77
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	13	1.77
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	20	1.77
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	7	1.77
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	4	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	6	1.77
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	17	1.77
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	5	1.77
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	13	1.77
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	7	1.76
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	7	1.76
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	7	1.76
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	9	1.76
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	9	1.76
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	9	1.76
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	19	1.76
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	19	1.76
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	19	1.76
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	3	1.76
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	4	1.76
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	5	1.76
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	9	1.76
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	14	1.76
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	17	1.76
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	20	1.76
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	5	1.76
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	5	1.76
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	5	1.76
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	7	1.76
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	7	1.76
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	7	1.76
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	9	1.76
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	13	1.76
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	4	1.76
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	10	1.76
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	17	1.76
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	1	1.76
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	5	1.76
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	16	1.76
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	2	1.76
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	6	1.76
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	7	1.76
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	7	1.76
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	7	1.76
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	8	1.76
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	8	1.76
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	8	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	9	1.76
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	9	1.76
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	9	1.76
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	5	1.76
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	7	1.76
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	10	1.76
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	9	1.76
(1,1780)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	8	1.76
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	18	1.76
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	18	1.76
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	11	1.76
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	11	1.76
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	11	1.76
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	12	1.76
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	12	1.76
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	12	1.76
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	10	1.76
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	14	1.76
(1,745)	1:464:A:LEU:HB2	1:346:A:GLU:HA	6	1.76
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	2	1.76
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	8	1.76
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	10	1.76
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	11	1.76
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	7	1.76
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	16	1.76
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	4	1.75
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	4	1.75
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	4	1.75
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	10	1.75
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	15	1.75
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	18	1.75
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	19	1.75
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	12	1.75
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	18	1.75
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	20	1.75
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	1	1.75
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	4	1.75
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	5	1.75
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	12	1.75
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	15	1.75
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	18	1.75
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	4	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	4	1.75
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	4	1.75
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	14	1.75
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	14	1.75
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	14	1.75
(1,2201)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	13	1.75
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	6	1.75
(1,1897)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	6	1.75
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	10	1.75
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	19	1.75
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	5	1.75
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	9	1.75
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	18	1.75
(1,326)	1:451:A:LYS:HE2	1:451:A:LYS:HA	20	1.75
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	17	1.75
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG21	8	1.74
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG22	8	1.74
(1,3857)	1:392:A:THR:H	1:407:A:VAL:HG23	8	1.74
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	4	1.74
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	11	1.74
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	12	1.74
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	5	1.74
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	6	1.74
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	11	1.74
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	13	1.74
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	15	1.74
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	3	1.74
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	8	1.74
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	11	1.74
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	13	1.74
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	14	1.74
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	16	1.74
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	17	1.74
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	20	1.74
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	10	1.74
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	10	1.74
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	10	1.74
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	14	1.74
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	5	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	2	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	3	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	4	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	5	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	6	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	7	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	8	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	9	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	10	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	11	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	12	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	13	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	14	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	15	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	16	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	17	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	18	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	19	1.74
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	20	1.74
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	4	1.74
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	5	1.74
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	7	1.74
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	8	1.74
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	11	1.74
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	13	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	1	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	2	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	3	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	5	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	6	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	7	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	8	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	9	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	10	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	11	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	12	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	13	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	14	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	15	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	16	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	17	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	18	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	19	1.74
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	20	1.74
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	19	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	19	1.74
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	1	1.74
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	2	1.74
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	3	1.74
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	11	1.74
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	20	1.74
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	11	1.74
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	17	1.74
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	18	1.74
(1,1127)	1:393:A:LEU:HG	1:393:A:LEU:H	10	1.74
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	8	1.74
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	16	1.74
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	16	1.74
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	16	1.74
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	15	1.74
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	18	1.74
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	16	1.73
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	16	1.73
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	16	1.73
(1,3817)	1:420:A:ILE:H	1:418:A:VAL:HA	7	1.73
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	3	1.73
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	1	1.73
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	2	1.73
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	10	1.73
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	2	1.73
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	3	1.73
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	8	1.73
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	14	1.73
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	20	1.73
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	20	1.73
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	7	1.73
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	9	1.73
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	19	1.73
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	6	1.73
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	6	1.73
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	6	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	1	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	2	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	3	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	5	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	7	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	8	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	9	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	10	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	13	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	15	1.73
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	16	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	1	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	2	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	3	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	4	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	6	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	7	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	8	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	9	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	10	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	11	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	12	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	13	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	14	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	15	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	16	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	17	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	18	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	19	1.73
(1,2328)	1:370:A:SER:HB2	1:370:A:SER:HB3	20	1.73
(1,2214)	1:373:A:PRO:HD2	1:373:A:PRO:HD3	1	1.73
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	2	1.73
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	15	1.73
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	19	1.73
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	15	1.73
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	18	1.73
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	19	1.73
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	20	1.73
(1,1864)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	4	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	4	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	5	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	6	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	7	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	8	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	9	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	10	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	12	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	13	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	15	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	16	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	17	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	18	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	19	1.73
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	20	1.73
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	7	1.73
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	4	1.73
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	6	1.73
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	7	1.73
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	19	1.73
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	1	1.73
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	3	1.73
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	4	1.73
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	5	1.73
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	6	1.73
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	9	1.73
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	12	1.73
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	3	1.73
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	11	1.73
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	3	1.72
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	3	1.72
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	3	1.72
(1,3069)	1:377:A:THR:HA	1:377:A:THR:H	3	1.72
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	13	1.72
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	3	1.72
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	10	1.72
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	11	1.72
(1,2383)	1:368:A:ILE:HD11	1:355:A:TRP:HE3	1	1.72
(1,2383)	1:368:A:ILE:HD12	1:355:A:TRP:HE3	1	1.72
(1,2383)	1:368:A:ILE:HD13	1:355:A:TRP:HE3	1	1.72
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	4	1.72
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	6	1.72
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	11	1.72
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	12	1.72
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	17	1.72
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	18	1.72
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	19	1.72
(1,2339)	1:364:A:LEU:HB3	1:363:A:ALA:HA	20	1.72
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	10	1.72
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	7	1.72
(1,1489)	1:438:A:GLY:HA2	1:438:A:GLY:H	14	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	1	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	2	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	3	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	5	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	8	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	9	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	10	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	11	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	12	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	13	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	14	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	15	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	16	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	17	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	18	1.72
(1,1333)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	20	1.72
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	13	1.72
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	14	1.72
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	15	1.72
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	16	1.72
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	9	1.72
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	5	1.72
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	5	1.72
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	5	1.72
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	6	1.72
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	13	1.72
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	16	1.72
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	19	1.72
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	1	1.72
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	6	1.71
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	6	1.71
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	6	1.71
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	13	1.71
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	13	1.71
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	13	1.71
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	3	1.71
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	3	1.71
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	3	1.71
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	6	1.71
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	6	1.71
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	6	1.71
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	16	1.71
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	13	1.71
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	10	1.71
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	18	1.71
(1,1323)	1:362:A:VAL:HG21	1:355:A:TRP:HE3	19	1.71
(1,1323)	1:362:A:VAL:HG22	1:355:A:TRP:HE3	19	1.71
(1,1323)	1:362:A:VAL:HG23	1:355:A:TRP:HE3	19	1.71
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	2	1.71
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	8	1.71
(1,1231)	1:403:A:TYR:HA	1:404:A:GLU:H	20	1.71
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	6	1.71
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	4	1.71
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	8	1.7
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	8	1.7
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	8	1.7
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	18	1.7
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	18	1.7
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	18	1.7
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	19	1.7
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	19	1.7
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	19	1.7
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	1	1.7
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	1	1.7
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	1	1.7
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	8	1.7
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	8	1.7
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	8	1.7
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	17	1.7
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	17	1.7
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	17	1.7
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	1	1.7
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	14	1.7
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	11	1.7
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	1	1.7
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	6	1.7
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	16	1.7
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	16	1.7
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	10	1.7
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	14	1.7
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	8	1.7
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	8	1.7
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	14	1.7
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	11	1.7
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	10	1.69
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	10	1.69
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	10	1.69
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	12	1.69
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	12	1.69
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	12	1.69
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	17	1.69
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	17	1.69
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	17	1.69
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	18	1.69
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	18	1.69
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	18	1.69
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	5	1.69
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	9	1.69
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	12	1.69
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	17	1.69
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	9	1.69
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	3	1.69
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	12	1.69
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	13	1.69
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	3	1.69
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	11	1.69
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	11	1.69
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	11	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	1	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	3	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	4	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	5	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	7	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	8	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	10	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	11	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	12	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	13	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	15	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	16	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	17	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	18	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	19	1.69
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	20	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	3	1.69
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	9	1.69
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	19	1.69
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	8	1.69
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	3	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	3	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	3	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	5	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	5	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	5	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	9	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	9	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	9	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	14	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	14	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	14	1.68
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	9	1.68
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	9	1.68
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	9	1.68
(1,3010)	1:368:A:ILE:HB	1:369:A:VAL:H	9	1.68
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	5	1.68
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	6	1.68
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	7	1.68
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	9	1.68
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	15	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	2	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	4	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	5	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	7	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	8	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	10	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	11	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	15	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	16	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	17	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	18	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	19	1.68
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	20	1.68
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	1	1.68
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	7	1.68
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	5	1.68
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	8	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	13	1.68
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	15	1.68
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	2	1.68
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	6	1.68
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	14	1.68
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	16	1.68
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	16	1.68
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	16	1.68
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	2	1.68
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	4	1.68
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	6	1.68
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	15	1.68
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	19	1.68
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	14	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	2	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	6	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	9	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	11	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	12	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	15	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	16	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	17	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	18	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	19	1.68
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	20	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	2	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	3	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	4	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	5	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	6	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	7	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	8	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	9	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	10	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	11	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	12	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	13	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	15	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	17	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	18	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	19	1.68
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	20	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:390:A:ASP:HB3	1:389:A:GLU:HA	1	1.68
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	15	1.67
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	15	1.67
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	15	1.67
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	4	1.67
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	4	1.67
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	4	1.67
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	13	1.67
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	13	1.67
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	13	1.67
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	16	1.67
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	2	1.67
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	4	1.67
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	8	1.67
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	7	1.67
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	9	1.67
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	4	1.67
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	5	1.67
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	5	1.67
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	5	1.67
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	14	1.67
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	14	1.67
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	14	1.67
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	7	1.67
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	11	1.67
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	18	1.67
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	19	1.67
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	20	1.67
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	12	1.67
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	12	1.67
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	12	1.67
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	17	1.67
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	3	1.67
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	8	1.67
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	11	1.67
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	12	1.67
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	17	1.67
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	18	1.67
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	20	1.67
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	1	1.67
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	3	1.67
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	4	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	5	1.67
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	7	1.67
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	8	1.67
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	10	1.67
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	13	1.67
(1,205)	1:356:A:TYR:HB2	1:356:A:TYR:HA	14	1.67
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	1	1.67
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	14	1.67
(1,116)	1:446:A:PRO:HB3	1:446:A:PRO:HG3	16	1.67
(1,112)	1:354:A:MET:HG2	1:355:A:TRP:H	19	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	1	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	2	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	3	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	4	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	5	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	6	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	7	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	8	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	9	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	10	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	11	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	12	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	13	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	14	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	15	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	16	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	17	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	18	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	19	1.67
(1,96)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	20	1.67
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	10	1.66
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	10	1.66
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	10	1.66
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	5	1.66
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	5	1.66
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	5	1.66
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	5	1.66
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	5	1.66
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	5	1.66
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	1	1.66
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	4	1.66
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	9	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	10	1.66
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	11	1.66
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	12	1.66
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	18	1.66
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	19	1.66
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	4	1.66
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	11	1.66
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	1	1.66
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	6	1.66
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	7	1.66
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	16	1.66
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	16	1.66
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	2	1.66
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	8	1.66
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	7	1.66
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	7	1.66
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	7	1.66
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	9	1.66
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	16	1.66
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	18	1.66
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	10	1.66
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	9	1.66
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	18	1.66
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	18	1.66
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	18	1.66
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	6	1.66
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	1	1.66
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	5	1.66
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	16	1.66
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	5	1.66
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	1	1.65
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	1	1.65
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	1	1.65
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	20	1.65
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	20	1.65
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	20	1.65
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	2	1.65
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	2	1.65
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	2	1.65
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	2	1.65
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	2	1.65
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	2	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	12	1.65
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	12	1.65
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	12	1.65
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	20	1.65
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	20	1.65
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	20	1.65
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	3	1.65
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	6	1.65
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	14	1.65
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	1	1.65
(1,1978)	1:450:A:MET:HB2	1:450:A:MET:H	14	1.65
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	1	1.65
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	15	1.65
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	15	1.65
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	9	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	1	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	2	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	3	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	4	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	5	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	6	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	7	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	8	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	9	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	10	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	11	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	12	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	13	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	14	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	15	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	16	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	17	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	18	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	19	1.65
(1,1481)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	20	1.65
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	10	1.65
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	1	1.65
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	17	1.65
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	17	1.65
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	17	1.65
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	4	1.65
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	4	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	4	1.65
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	20	1.65
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	20	1.64
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	20	1.64
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	20	1.64
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	1	1.64
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	1	1.64
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	1	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	1	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	2	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	3	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	5	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	6	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	7	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	8	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	9	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	10	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	11	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	12	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	13	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	14	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	15	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	16	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	17	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	18	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	19	1.64
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	20	1.64
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	7	1.64
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	7	1.64
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	7	1.64
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	7	1.64
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	7	1.64
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	7	1.64
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	10	1.64
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	10	1.64
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	10	1.64
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	10	1.64
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	10	1.64
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	10	1.64
(1,2879)	1:339:A:HIS:HB3	1:340:A:MET:H	15	1.64
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	7	1.64
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	8	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	16	1.64
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	17	1.64
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	20	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	2	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	3	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	4	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	5	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	6	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	7	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	8	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	9	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	10	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	11	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	12	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	13	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	14	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	15	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	16	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	17	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	18	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	19	1.64
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	20	1.64
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	3	1.64
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	15	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	1	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	2	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	3	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	4	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	5	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	6	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	7	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	8	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	9	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	10	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	11	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	12	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	13	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	14	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	15	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	16	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	17	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	18	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	19	1.64
(1,1661)	1:345:A:ILE:HG12	1:345:A:ILE:HG13	20	1.64
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	15	1.64
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	18	1.64
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	3	1.64
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	3	1.64
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	3	1.64
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	4	1.64
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	4	1.64
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	4	1.64
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	5	1.64
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	5	1.64
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	5	1.64
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	7	1.64
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	7	1.64
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	7	1.64
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	19	1.64
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	19	1.64
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	19	1.64
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	6	1.64
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	4	1.64
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	5	1.64
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	15	1.64
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	16	1.64
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	18	1.64
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	3	1.64
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	13	1.64
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	13	1.64
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	13	1.64
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	12	1.64
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	17	1.64
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	2	1.63
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	2	1.63
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	2	1.63
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	9	1.63
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	9	1.63
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	9	1.63
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	15	1.63
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	15	1.63
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	15	1.63
(1,3131)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	4	1.63
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	11	1.63
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	12	1.63
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	2	1.63
(1,2877)	1:435:A:LYS:HG2	1:435:A:LYS:H	15	1.63
(1,2548)	1:373:A:PRO:HD3	1:373:A:PRO:HD2	1	1.63
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	9	1.63
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	13	1.63
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	16	1.63
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	19	1.63
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	20	1.63
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	5	1.63
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	18	1.63
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	9	1.63
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	9	1.63
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	3	1.63
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	11	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	1	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	1	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	1	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	2	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	2	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	2	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	6	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	6	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	6	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	8	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	8	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	8	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	10	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	10	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	10	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	11	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	11	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	11	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	12	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	12	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	12	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	13	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	13	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	13	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	14	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	14	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	14	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	15	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	15	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	15	1.63
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	20	1.63
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	20	1.63
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	20	1.63
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	1	1.63
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	1	1.63
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	1	1.63
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	16	1.63
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	16	1.63
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	16	1.63
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	3	1.63
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	4	1.63
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	5	1.63
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	6	1.63
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	1	1.63
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	4	1.63
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	8	1.63
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	11	1.63
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	12	1.63
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	17	1.63
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	20	1.63
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	4	1.63
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	4	1.63
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	4	1.63
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	2	1.63
(1,900)	1:447:A:PRO:HD3	1:446:A:PRO:HA	9	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	1	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	2	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	4	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	5	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	6	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	7	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	8	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	9	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	10	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	11	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	12	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	13	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	14	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	15	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	16	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	17	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	18	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	19	1.63
(1,811)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	20	1.63
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	2	1.63
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	2	1.63
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	2	1.63
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	7	1.62
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	7	1.62
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	7	1.62
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	9	1.62
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	15	1.62
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	15	1.62
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	15	1.62
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	16	1.62
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	16	1.62
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	16	1.62
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	8	1.62
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	2	1.62
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	5	1.62
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	6	1.62
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	12	1.62
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	14	1.62
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	19	1.62
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	17	1.62
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	17	1.62
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	6	1.62
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	13	1.62
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	16	1.62
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	19	1.62
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	9	1.62
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	9	1.62
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	9	1.62
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	16	1.62
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	16	1.62
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	16	1.62
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	17	1.62
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	17	1.62
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	17	1.62
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	18	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	18	1.62
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	18	1.62
(1,1604)	1:456:A:MET:HE1	1:456:A:MET:HA	19	1.62
(1,1604)	1:456:A:MET:HE2	1:456:A:MET:HA	19	1.62
(1,1604)	1:456:A:MET:HE3	1:456:A:MET:HA	19	1.62
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	8	1.62
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	8	1.62
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	8	1.62
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	20	1.62
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	20	1.62
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	20	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	1	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	2	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	7	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	8	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	9	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	10	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	11	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	12	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	13	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	14	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	15	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	16	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	17	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	18	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	19	1.62
(1,1549)	1:462:A:PRO:HD2	1:462:A:PRO:HD3	20	1.62
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	3	1.62
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	10	1.62
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	6	1.62
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	6	1.62
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	6	1.62
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	7	1.62
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	7	1.62
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	7	1.62
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	10	1.62
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	10	1.62
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	10	1.62
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	15	1.62
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	15	1.62
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	15	1.62
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	11	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	11	1.61
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	11	1.61
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	10	1.61
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	10	1.61
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	10	1.61
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	11	1.61
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	11	1.61
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	6	1.61
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	6	1.61
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	6	1.61
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	19	1.61
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	19	1.61
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	19	1.61
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	12	1.61
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	12	1.61
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	12	1.61
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	12	1.61
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	12	1.61
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	12	1.61
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	10	1.61
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	7	1.61
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	8	1.61
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	17	1.61
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	18	1.61
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	3	1.61
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	14	1.61
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	15	1.61
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	16	1.61
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	19	1.61
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	19	1.61
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	3	1.61
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	3	1.61
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	3	1.61
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	4	1.61
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	4	1.61
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	4	1.61
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	5	1.61
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	5	1.61
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	5	1.61
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	11	1.61
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	11	1.61
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	11	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	12	1.61
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	12	1.61
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	12	1.61
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	14	1.61
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	14	1.61
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	14	1.61
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	15	1.61
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	15	1.61
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	15	1.61
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	2	1.61
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	2	1.61
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	2	1.61
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	4	1.61
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	4	1.61
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	4	1.61
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	10	1.61
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	10	1.61
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	10	1.61
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	11	1.61
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	11	1.61
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	11	1.61
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	15	1.61
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	15	1.61
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	15	1.61
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	11	1.61
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	14	1.61
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	6	1.61
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	7	1.61
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	2	1.61
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	2	1.61
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	2	1.61
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	9	1.61
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	9	1.61
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	9	1.61
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	14	1.61
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	14	1.61
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	14	1.61
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	12	1.61
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	12	1.61
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	12	1.61
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	15	1.61
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	7	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	7	1.6
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	7	1.6
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	7	1.6
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	7	1.6
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	17	1.6
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	17	1.6
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	17	1.6
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	7	1.6
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	7	1.6
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	7	1.6
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	11	1.6
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	11	1.6
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	11	1.6
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	8	1.6
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	8	1.6
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	8	1.6
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	8	1.6
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	8	1.6
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	8	1.6
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	11	1.6
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	11	1.6
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	11	1.6
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	11	1.6
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	11	1.6
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	11	1.6
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	14	1.6
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	7	1.6
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	6	1.6
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	11	1.6
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	19	1.6
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	1	1.6
(1,2323)	1:394:A:LYS:HB3	1:395:A:GLY:H	10	1.6
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	1	1.6
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	4	1.6
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	6	1.6
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	9	1.6
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	11	1.6
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	12	1.6
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	13	1.6
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	16	1.6
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	17	1.6
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	18	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	20	1.6
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	7	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	1	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	1	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	1	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	2	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	2	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	2	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	6	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	6	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	6	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	7	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	7	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	7	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	8	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	8	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	8	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	9	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	9	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	9	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	10	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	10	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	10	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	13	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	13	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	13	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	16	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	16	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	16	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	17	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	17	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	17	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	18	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	18	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	18	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	19	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	19	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	19	1.6
(1,1797)	1:456:A:MET:HE1	1:456:A:MET:HB3	20	1.6
(1,1797)	1:456:A:MET:HE2	1:456:A:MET:HB3	20	1.6
(1,1797)	1:456:A:MET:HE3	1:456:A:MET:HB3	20	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	5	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	5	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	6	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	6	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	7	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	7	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	12	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	12	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	13	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	13	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	20	1.6
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	20	1.6
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	6	1.6
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	6	1.6
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	6	1.6
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	14	1.6
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	19	1.6
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	2	1.6
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	3	1.6
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	3	1.6
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	3	1.6
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	7	1.6
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	7	1.6
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	7	1.6
(1,389)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	17	1.6
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	3	1.59
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	3	1.59
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	3	1.59
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	17	1.59
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	17	1.59
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	17	1.59
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	18	1.59
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	18	1.59
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	18	1.59
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	10	1.59
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	10	1.59
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	16	1.59
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	16	1.59
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	16	1.59
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	15	1.59
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	15	1.59
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	15	1.59
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	15	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	15	1.59
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	15	1.59
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	18	1.59
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	18	1.59
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	18	1.59
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	18	1.59
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	18	1.59
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	18	1.59
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	19	1.59
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	19	1.59
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	19	1.59
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	19	1.59
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	19	1.59
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	19	1.59
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	19	1.59
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	2	1.59
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	3	1.59
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	17	1.59
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	1	1.59
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	4	1.59
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	16	1.59
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	18	1.59
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	20	1.59
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	14	1.59
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	2	1.59
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	5	1.59
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	7	1.59
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	8	1.59
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	10	1.59
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	15	1.59
(1,1998)	1:448:A:SER:HA	1:449:A:VAL:HA	19	1.59
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	5	1.59
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	6	1.59
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	12	1.59
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	8	1.59
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	20	1.59
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	14	1.59
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	14	1.59
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	12	1.59
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	12	1.59
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	12	1.59
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	19	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	6	1.59
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	11	1.59
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	15	1.59
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	14	1.59
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	9	1.59
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	19	1.59
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	14	1.59
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	13	1.59
(1,1043)	1:446:A:PRO:HD3	1:445:A:THR:HA	19	1.59
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	13	1.59
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	13	1.59
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	13	1.59
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	6	1.59
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	6	1.59
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	6	1.59
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	9	1.59
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	9	1.59
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	9	1.59
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	20	1.59
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	20	1.59
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	20	1.59
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	10	1.59
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	10	1.59
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	10	1.59
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	12	1.59
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	12	1.59
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	12	1.59
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	9	1.59
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG21	4	1.58
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG22	4	1.58
(1,4224)	1:395:A:GLY:H	1:396:A:THR:HG23	4	1.58
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	14	1.58
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	14	1.58
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	1	1.58
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	1	1.58
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	14	1.58
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	14	1.58
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	14	1.58
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	14	1.58
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	14	1.58
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	14	1.58
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	16	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	16	1.58
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	16	1.58
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	16	1.58
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	16	1.58
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	16	1.58
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	17	1.58
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	17	1.58
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	17	1.58
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	17	1.58
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	17	1.58
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	17	1.58
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	2	1.58
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	12	1.58
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	4	1.58
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	8	1.58
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	12	1.58
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	3	1.58
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	5	1.58
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	8	1.58
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	9	1.58
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	10	1.58
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	13	1.58
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	14	1.58
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	17	1.58
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	10	1.58
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	19	1.58
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	19	1.58
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	19	1.58
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	1	1.58
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	3	1.58
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	8	1.58
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	9	1.58
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	11	1.58
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	13	1.58
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	17	1.58
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	20	1.58
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	11	1.58
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	12	1.58
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	17	1.58
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	3	1.58
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	3	1.58
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	14	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	13	1.58
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	13	1.58
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	13	1.58
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	2	1.58
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	4	1.58
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	7	1.58
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	9	1.58
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	10	1.58
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	18	1.58
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	19	1.58
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	6	1.58
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	7	1.58
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	11	1.58
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	10	1.58
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	10	1.58
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	10	1.58
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	11	1.58
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	11	1.58
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	11	1.58
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	14	1.58
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	14	1.58
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	14	1.58
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	6	1.57
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	6	1.57
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	6	1.57
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	9	1.57
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	9	1.57
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	9	1.57
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	4	1.57
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	4	1.57
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	13	1.57
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	14	1.57
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	18	1.57
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	18	1.57
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	18	1.57
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	8	1.57
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	8	1.57
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	8	1.57
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	4	1.57
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	4	1.57
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	4	1.57
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	4	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	4	1.57
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	4	1.57
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	13	1.57
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	16	1.57
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	5	1.57
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	13	1.57
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	2	1.57
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	6	1.57
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	12	1.57
(1,2563)	1:404:A:GLU:HA	1:405:A:SER:H	15	1.57
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	13	1.57
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	18	1.57
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	8	1.57
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	4	1.57
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	10	1.57
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	15	1.57
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	18	1.57
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	19	1.57
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	7	1.57
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	1	1.57
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	1	1.57
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	2	1.57
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	2	1.57
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	20	1.57
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	9	1.57
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	9	1.57
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	9	1.57
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	8	1.57
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	8	1.57
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	8	1.57
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	16	1.57
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	1	1.57
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	4	1.57
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	5	1.57
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	8	1.57
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	13	1.57
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	15	1.57
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	16	1.57
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	15	1.57
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	1	1.57
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	1	1.57
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	1	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	9	1.57
(1,575)	1:340:A:MET:HG3	1:341:A:GLU:H	4	1.57
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	19	1.57
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	19	1.57
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	19	1.57
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	13	1.57
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	1	1.56
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	1	1.56
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	1	1.56
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	16	1.56
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	16	1.56
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	16	1.56
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	16	1.56
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	16	1.56
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	11	1.56
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	11	1.56
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	11	1.56
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	12	1.56
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	12	1.56
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	12	1.56
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	4	1.56
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	4	1.56
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	4	1.56
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	1	1.56
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	1	1.56
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	1	1.56
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	1	1.56
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	1	1.56
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	1	1.56
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	3	1.56
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	9	1.56
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	1	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	2	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	4	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	5	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	6	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	9	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	11	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	12	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	16	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	17	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	18	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	19	1.56
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	20	1.56
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	13	1.56
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	14	1.56
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	7	1.56
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	18	1.56
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	4	1.56
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	4	1.56
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	8	1.56
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	8	1.56
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	11	1.56
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	11	1.56
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	5	1.56
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	17	1.56
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	17	1.56
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	17	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	3	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	3	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	3	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	4	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	4	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	4	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	6	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	6	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	6	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	9	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	9	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	9	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	10	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	10	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	10	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	13	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	13	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	13	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	14	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	14	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	14	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	18	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	18	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	18	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	19	1.56
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	19	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	19	1.56
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	11	1.56
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	17	1.56
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	1	1.56
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	3	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	2	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	4	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	5	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	6	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	9	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	11	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	12	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	16	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	17	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	18	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	19	1.56
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	20	1.56
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	2	1.56
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	12	1.56
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	17	1.56
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	18	1.56
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	15	1.56
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	3	1.56
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	3	1.56
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	3	1.56
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	17	1.56
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	17	1.56
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	17	1.56
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	3	1.56
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	8	1.55
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	8	1.55
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	8	1.55
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	3	1.55
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	20	1.55
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	3	1.55
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	20	1.55
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	19	1.55
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	5	1.55
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	5	1.55
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	5	1.55
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	3	1.55
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	3	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	5	1.55
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	5	1.55
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	5	1.55
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	15	1.55
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	15	1.55
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	15	1.55
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	20	1.55
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	20	1.55
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	20	1.55
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	20	1.55
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	20	1.55
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	20	1.55
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	7	1.55
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	11	1.55
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	14	1.55
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	1	1.55
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	7	1.55
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	11	1.55
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	14	1.55
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	7	1.55
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	10	1.55
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	11	1.55
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	16	1.55
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	1	1.55
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	16	1.55
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	18	1.55
(1,2543)	1:372:A:LYS:HA	1:373:A:PRO:HD3	7	1.55
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	1	1.55
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	3	1.55
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	7	1.55
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	8	1.55
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	10	1.55
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	13	1.55
(1,2036)	1:450:A:MET:HB2	1:450:A:MET:HG3	15	1.55
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	2	1.55
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	16	1.55
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	5	1.55
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	11	1.55
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	10	1.55
(1,1678)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	10	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	1	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	1	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	1	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	2	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	2	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	2	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	5	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	5	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	5	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	11	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	11	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	11	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	12	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	12	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	12	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	15	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	15	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	15	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	17	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	17	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	17	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	20	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	20	1.55
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	20	1.55
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	11	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	1	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	2	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	3	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	4	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	5	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	6	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	7	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	8	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	9	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	10	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	11	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	12	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	13	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	14	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	15	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	16	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	17	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	18	1.55
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	19	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	20	1.55
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	13	1.55
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	1	1.55
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	3	1.55
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	7	1.55
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	8	1.55
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	10	1.55
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	13	1.55
(1,1117)	1:450:A:MET:HG3	1:450:A:MET:HB2	15	1.55
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	3	1.55
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	11	1.55
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	20	1.55
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	18	1.55
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	15	1.55
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	15	1.55
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	15	1.55
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	18	1.55
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	18	1.55
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	18	1.55
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	8	1.55
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	15	1.55
(1,4192)	1:426:A:GLN:HE22	1:428:A:GLU:HB2	14	1.54
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	12	1.54
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	12	1.54
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	12	1.54
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	12	1.54
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	15	1.54
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	12	1.54
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	15	1.54
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	12	1.54
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	7	1.54
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	10	1.54
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	17	1.54
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	20	1.54
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	1	1.54
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	1	1.54
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	1	1.54
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	2	1.54
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	2	1.54
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	2	1.54
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	7	1.54
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	7	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	7	1.54
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	8	1.54
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	8	1.54
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	8	1.54
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	13	1.54
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	13	1.54
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	13	1.54
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	14	1.54
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	14	1.54
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	14	1.54
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	16	1.54
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	16	1.54
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	16	1.54
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	2	1.54
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	2	1.54
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	2	1.54
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	2	1.54
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	2	1.54
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	2	1.54
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	3	1.54
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	3	1.54
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	3	1.54
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	3	1.54
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	3	1.54
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	3	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	1	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	2	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	3	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	4	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	5	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	6	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	8	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	9	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	10	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	12	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	13	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	15	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	16	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	17	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	18	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	19	1.54
(1,3087)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	20	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	6	1.54
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	11	1.54
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	20	1.54
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	9	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	1	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	2	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	3	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	4	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	5	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	6	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	7	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	8	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	9	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	10	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	11	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	12	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	13	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	14	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	15	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	16	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	17	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	18	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	19	1.54
(1,2891)	1:345:A:ILE:HG13	1:345:A:ILE:HG12	20	1.54
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	4	1.54
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	5	1.54
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	15	1.54
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	16	1.54
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	18	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	1	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	2	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	3	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	4	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	5	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	6	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	8	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	9	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	10	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	12	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	13	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	15	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	16	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	17	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	18	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	19	1.54
(1,2798)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	20	1.54
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	2	1.54
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	19	1.54
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	16	1.54
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	3	1.54
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	4	1.54
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	9	1.54
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	12	1.54
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	17	1.54
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	6	1.54
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	8	1.54
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	12	1.54
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	3	1.54
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	18	1.54
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	18	1.54
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	18	1.54
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	7	1.54
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	7	1.54
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	7	1.54
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD11	16	1.54
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD12	16	1.54
(1,1563)	1:364:A:LEU:HA	1:364:A:LEU:HD13	16	1.54
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	15	1.54
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	13	1.54
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	2	1.54
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	20	1.54
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	20	1.54
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	20	1.54
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	8	1.54
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	20	1.54
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	13	1.54
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	5	1.54
(1,565)	1:463:A:VAL:HB	1:463:A:VAL:H	1	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	1	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	2	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	3	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	4	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	5	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	7	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	8	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	9	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	13	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	14	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	15	1.54
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	18	1.54
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	4	1.54
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	4	1.54
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	4	1.54
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	11	1.53
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	3	1.53
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	3	1.53
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	3	1.53
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	4	1.53
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	4	1.53
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	4	1.53
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	6	1.53
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	6	1.53
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	6	1.53
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	9	1.53
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	9	1.53
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	9	1.53
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	17	1.53
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	17	1.53
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	17	1.53
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	18	1.53
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	18	1.53
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	18	1.53
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	20	1.53
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	20	1.53
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	20	1.53
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	5	1.53
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	8	1.53
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	11	1.53
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	12	1.53
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	17	1.53
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	20	1.53
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	15	1.53
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	18	1.53
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	20	1.53
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	5	1.53
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	15	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	7	1.53
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	17	1.53
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	11	1.53
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	11	1.53
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	11	1.53
(1,1968)	1:451:A:LYS:HG2	1:451:A:LYS:H	14	1.53
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	2	1.53
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	6	1.53
(1,1959)	1:463:A:VAL:HB	1:464:A:LEU:H	10	1.53
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	7	1.53
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	10	1.53
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	6	1.53
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	16	1.53
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	1	1.53
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	13	1.53
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	19	1.53
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	20	1.53
(1,1564)	1:407:A:VAL:HG11	1:425:A:TRP:HZ2	3	1.53
(1,1564)	1:407:A:VAL:HG12	1:425:A:TRP:HZ2	3	1.53
(1,1564)	1:407:A:VAL:HG13	1:425:A:TRP:HZ2	3	1.53
(1,1404)	1:393:A:LEU:HD11	1:425:A:TRP:HH2	10	1.53
(1,1404)	1:393:A:LEU:HD12	1:425:A:TRP:HH2	10	1.53
(1,1404)	1:393:A:LEU:HD13	1:425:A:TRP:HH2	10	1.53
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	1	1.53
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	3	1.53
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	2	1.53
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	13	1.53
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	14	1.53
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	16	1.53
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	19	1.53
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	13	1.53
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	20	1.53
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	14	1.53
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	18	1.53
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	6	1.53
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	10	1.53
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	11	1.53
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	17	1.53
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	19	1.53
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	2	1.52
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	2	1.52
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	2	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	14	1.52
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	14	1.52
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	14	1.52
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	2	1.52
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	5	1.52
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	2	1.52
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	5	1.52
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	1	1.52
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	2	1.52
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	3	1.52
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	6	1.52
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	12	1.52
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	13	1.52
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	15	1.52
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	16	1.52
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	18	1.52
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	11	1.52
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	11	1.52
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	11	1.52
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	12	1.52
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	12	1.52
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	12	1.52
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	1	1.52
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	15	1.52
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	16	1.52
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	20	1.52
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	5	1.52
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	3	1.52
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	10	1.52
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	2	1.52
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	3	1.52
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	7	1.52
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	8	1.52
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	9	1.52
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	17	1.52
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	3	1.52
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	4	1.52
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	9	1.52
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	20	1.52
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	20	1.52
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	20	1.52
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	13	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	14	1.52
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	18	1.52
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	6	1.52
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	17	1.52
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	11	1.52
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	19	1.52
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	1	1.52
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	2	1.52
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	3	1.52
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	5	1.52
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	9	1.52
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	10	1.52
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	18	1.52
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	20	1.52
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	3	1.52
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	11	1.52
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	4	1.52
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	5	1.52
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	16	1.52
(1,1099)	1:407:A:VAL:HB	1:407:A:VAL:H	14	1.52
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	15	1.52
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	4	1.52
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	6	1.52
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	7	1.52
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	10	1.52
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	14	1.52
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	19	1.52
(1,1025)	1:411:A:MET:HE1	1:420:A:ILE:H	8	1.52
(1,1025)	1:411:A:MET:HE2	1:420:A:ILE:H	8	1.52
(1,1025)	1:411:A:MET:HE3	1:420:A:ILE:H	8	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	1	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	3	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	5	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	6	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	7	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	9	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	10	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	11	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	12	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	13	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	14	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	15	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	17	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	18	1.52
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	19	1.52
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	6	1.52
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	12	1.52
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	2	1.52
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	5	1.52
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	14	1.52
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	16	1.52
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	15	1.52
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	2	1.52
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	12	1.52
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	16	1.52
(1,445)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	20	1.52
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	19	1.52
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	13	1.51
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	13	1.51
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	4	1.51
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	13	1.51
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	1	1.51
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	4	1.51
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	8	1.51
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	9	1.51
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	14	1.51
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	19	1.51
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	19	1.51
(1,3392)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	19	1.51
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	14	1.51
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	14	1.51
(1,3289)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	14	1.51
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	19	1.51
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	19	1.51
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	19	1.51
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	4	1.51
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	5	1.51
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	6	1.51
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	8	1.51
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	16	1.51
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	2	1.51
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	2	1.51
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	8	1.51
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	9	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	14	1.51
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	17	1.51
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	20	1.51
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	6	1.51
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	7	1.51
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	4	1.51
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	6	1.51
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	10	1.51
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	11	1.51
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	12	1.51
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	14	1.51
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	19	1.51
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	20	1.51
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	5	1.51
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	9	1.51
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	15	1.51
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	16	1.51
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	8	1.51
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	9	1.51
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	2	1.51
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	13	1.51
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	17	1.51
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	20	1.51
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	4	1.51
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	13	1.51
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	15	1.51
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	10	1.51
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	12	1.51
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	14	1.51
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	10	1.51
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	12	1.51
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	18	1.51
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	13	1.51
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	14	1.51
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	8	1.51
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	11	1.51
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	15	1.51
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	17	1.51
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	4	1.51
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	8	1.51
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	16	1.51
(1,921)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	20	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	3	1.51
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	7	1.51
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	15	1.51
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	18	1.51
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	9	1.51
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	13	1.51
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	12	1.51
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	2	1.51
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	7	1.51
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	5	1.5
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	5	1.5
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	5	1.5
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	1	1.5
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	1	1.5
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	5	1.5
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	6	1.5
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	14	1.5
(1,3520)	1:454:A:PHE:H	1:453:A:LEU:HB3	5	1.5
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	13	1.5
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	13	1.5
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	13	1.5
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	1	1.5
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	12	1.5
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	13	1.5
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	14	1.5
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	15	1.5
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	1	1.5
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	3	1.5
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	4	1.5
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	9	1.5
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	12	1.5
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	16	1.5
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	17	1.5
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	6	1.5
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	6	1.5
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	6	1.5
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	6	1.5
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	6	1.5
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	6	1.5
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	4	1.5
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	7	1.5
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	10	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	12	1.5
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	18	1.5
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	19	1.5
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	1	1.5
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	7	1.5
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	15	1.5
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	19	1.5
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	7	1.5
(1,2584)	1:434:A:TRP:HB3	1:434:A:TRP:H	13	1.5
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	3	1.5
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	10	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	1	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	2	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	3	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	4	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	6	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	8	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	10	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	11	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	12	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	17	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	19	1.5
(1,1953)	1:453:A:LEU:HB2	1:453:A:LEU:H	20	1.5
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	1	1.5
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	3	1.5
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	15	1.5
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	7	1.5
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	8	1.5
(1,1819)	1:347:A:VAL:HA	1:348:A:ASP:H	14	1.5
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	2	1.5
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	7	1.5
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	6	1.5
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	6	1.5
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	6	1.5
(1,1629)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	17	1.5
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	2	1.5
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	11	1.5
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	14	1.5
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	17	1.5
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	10	1.5
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	9	1.5
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	13	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	20	1.5
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	17	1.5
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	2	1.5
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	9	1.5
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	9	1.5
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	1	1.5
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	3	1.5
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	4	1.5
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	9	1.5
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	12	1.5
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	16	1.5
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	17	1.5
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	3	1.5
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	3	1.5
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	3	1.5
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	9	1.5
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	9	1.5
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	9	1.5
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	4	1.5
(1,4192)	1:426:A:GLN:HE22	1:428:A:GLU:HB2	8	1.49
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	20	1.49
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	20	1.49
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	20	1.49
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	8	1.49
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	1	1.49
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	1	1.49
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	1	1.49
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	1	1.49
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	1	1.49
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	1	1.49
(1,3187)	1:407:A:VAL:HG11	1:409:A:TYR:H	10	1.49
(1,3187)	1:407:A:VAL:HG12	1:409:A:TYR:H	10	1.49
(1,3187)	1:407:A:VAL:HG13	1:409:A:TYR:H	10	1.49
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	3	1.49
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	7	1.49
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	17	1.49
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	19	1.49
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	5	1.49
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	6	1.49
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	7	1.49
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	8	1.49
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	10	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	11	1.49
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	13	1.49
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	15	1.49
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	18	1.49
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	9	1.49
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	13	1.49
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	18	1.49
(1,2898)	1:352:A:GLN:HG2	1:352:A:GLN:H	5	1.49
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	13	1.49
(1,2881)	1:445:A:THR:HA	1:446:A:PRO:HD3	19	1.49
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	18	1.49
(1,2672)	1:423:A:SER:HB2	1:423:A:SER:HA	14	1.49
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	14	1.49
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	15	1.49
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	20	1.49
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	4	1.49
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	6	1.49
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	9	1.49
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	4	1.49
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	15	1.49
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	9	1.49
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	9	1.49
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	9	1.49
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	13	1.49
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	13	1.49
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	13	1.49
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	14	1.49
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	14	1.49
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	14	1.49
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	20	1.49
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	2	1.49
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	5	1.49
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	14	1.49
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	5	1.49
(1,1075)	1:372:A:LYS:HB3	1:372:A:LYS:H	7	1.49
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	5	1.49
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	12	1.49
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	3	1.49
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	5	1.49
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	7	1.49
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	20	1.49
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	10	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	12	1.49
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	18	1.49
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	19	1.49
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	7	1.49
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	4	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	3	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	4	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	5	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	6	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	7	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	8	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	10	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	11	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	12	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	15	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	18	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	19	1.49
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	20	1.49
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	3	1.49
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	15	1.49
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	1	1.49
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	1	1.49
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	1	1.49
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	5	1.49
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	6	1.49
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	7	1.49
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	8	1.49
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	10	1.49
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	11	1.49
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	13	1.49
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	15	1.49
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	18	1.49
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	1	1.49
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	10	1.49
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	4	1.48
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	4	1.48
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	4	1.48
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	1	1.48
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	2	1.48
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	15	1.48
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	18	1.48
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	10	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	5	1.48
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	5	1.48
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	5	1.48
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	10	1.48
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	10	1.48
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	10	1.48
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	14	1.48
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	14	1.48
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	14	1.48
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	2	1.48
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	9	1.48
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	14	1.48
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	19	1.48
(1,3140)	1:449:A:VAL:HB	1:448:A:SER:HA	20	1.48
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	13	1.48
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	13	1.48
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	13	1.48
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	13	1.48
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	13	1.48
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	13	1.48
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	5	1.48
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	10	1.48
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	11	1.48
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	17	1.48
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	5	1.48
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	5	1.48
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	5	1.48
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	5	1.48
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	17	1.48
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	20	1.48
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	20	1.48
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	2	1.48
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	2	1.48
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	10	1.48
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	11	1.48
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	13	1.48
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	14	1.48
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	19	1.48
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	18	1.48
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	10	1.48
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	12	1.48
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	14	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	15	1.48
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	5	1.48
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	18	1.48
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	14	1.48
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	17	1.48
(1,1038)	1:461:A:THR:HA	1:462:A:PRO:HD3	16	1.48
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	10	1.48
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	2	1.48
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	9	1.48
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	13	1.48
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	15	1.48
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	9	1.48
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	5	1.48
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	16	1.48
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	1	1.48
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	13	1.48
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	14	1.48
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	16	1.48
(1,519)	1:446:A:PRO:HB3	1:446:A:PRO:HA	17	1.48
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	14	1.48
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	10	1.48
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	14	1.48
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	19	1.48
(1,405)	1:448:A:SER:HA	1:449:A:VAL:HB	20	1.48
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	8	1.48
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	8	1.48
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	8	1.48
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	3	1.48
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	7	1.48
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	11	1.48
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	13	1.48
(1,4192)	1:426:A:GLN:HE22	1:428:A:GLU:HB2	15	1.47
(1,4192)	1:426:A:GLN:HE22	1:428:A:GLU:HB2	20	1.47
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	9	1.47
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	10	1.47
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	17	1.47
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	4	1.47
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	4	1.47
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	4	1.47
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	3	1.47
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	4	1.47
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	16	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	4	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	1	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	2	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	3	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	4	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	6	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	7	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	8	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	9	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	10	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	11	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	12	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	13	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	15	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	16	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	17	1.47
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	18	1.47
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	5	1.47
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	11	1.47
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	13	1.47
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	4	1.47
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	7	1.47
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	8	1.47
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	9	1.47
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	17	1.47
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	14	1.47
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	4	1.47
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	7	1.47
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	8	1.47
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	1	1.47
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	1	1.47
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	1	1.47
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	15	1.47
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	15	1.47
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	15	1.47
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	15	1.47
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	1	1.47
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	3	1.47
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	4	1.47
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	6	1.47
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	9	1.47
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	5	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	12	1.47
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	20	1.47
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	1	1.47
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	13	1.47
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	3	1.47
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	5	1.47
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	6	1.47
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	7	1.47
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	8	1.47
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	14	1.47
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	18	1.47
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	1	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	2	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	3	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	4	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	6	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	7	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	8	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	9	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	10	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	12	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	13	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	15	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	17	1.47
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	20	1.47
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	5	1.47
(1,563)	1:411:A:MET:HE1	1:384:A:VAL:H	1	1.47
(1,563)	1:411:A:MET:HE2	1:384:A:VAL:H	1	1.47
(1,563)	1:411:A:MET:HE3	1:384:A:VAL:H	1	1.47
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	2	1.47
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	13	1.47
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	2	1.47
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	9	1.47
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	12	1.47
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	16	1.47
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	18	1.47
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	3	1.46
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	7	1.46
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	9	1.46
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	19	1.46
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	9	1.46
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	19	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	7	1.46
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	6	1.46
(1,3074)	1:432:A:ASP:HA	1:433:A:LEU:H	13	1.46
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	1	1.46
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	15	1.46
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	6	1.46
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	8	1.46
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	14	1.46
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	6	1.46
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	12	1.46
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	15	1.46
(1,2802)	1:367:A:ASP:HB2	1:367:A:ASP:H	1	1.46
(1,2802)	1:367:A:ASP:HB2	1:367:A:ASP:H	4	1.46
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	3	1.46
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	3	1.46
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	3	1.46
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	7	1.46
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	7	1.46
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	7	1.46
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	13	1.46
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	16	1.46
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	17	1.46
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	19	1.46
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	5	1.46
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	14	1.46
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	14	1.46
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	1	1.46
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	6	1.46
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	11	1.46
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	6	1.46
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	2	1.46
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	17	1.46
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	5	1.46
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	5	1.46
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	5	1.46
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	12	1.46
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	12	1.46
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	12	1.46
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	19	1.46
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	13	1.46
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	7	1.46
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	7	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	7	1.46
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	19	1.46
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	8	1.46
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	10	1.46
(1,1118)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	8	1.46
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	19	1.46
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	18	1.46
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	2	1.46
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	5	1.46
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	16	1.46
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	17	1.46
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	18	1.46
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	19	1.46
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	20	1.46
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	1	1.46
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	4	1.46
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	10	1.46
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	11	1.46
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	17	1.46
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	11	1.46
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	6	1.46
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	8	1.46
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	1	1.46
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	11	1.46
(1,741)	1:384:A:VAL:HB	1:384:A:VAL:HA	14	1.46
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	6	1.46
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	6	1.46
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	6	1.46
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	18	1.46
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	18	1.46
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	18	1.46
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	5	1.46
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	6	1.46
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	14	1.46
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	17	1.46
(1,98)	1:389:A:GLU:HB3	1:388:A:GLU:HA	20	1.46
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	20	1.45
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	20	1.45
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	20	1.45
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	19	1.45
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	13	1.45
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	13	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	13	1.45
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	10	1.45
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	8	1.45
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	8	1.45
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	3	1.45
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	16	1.45
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	19	1.45
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	19	1.45
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	12	1.45
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	12	1.45
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	12	1.45
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	12	1.45
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	12	1.45
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	12	1.45
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	7	1.45
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	18	1.45
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	19	1.45
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	2	1.45
(1,3056)	1:359:A:ASP:HB2	1:360:A:GLY:HA3	12	1.45
(1,2898)	1:352:A:GLN:HG2	1:352:A:GLN:H	18	1.45
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	1	1.45
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	3	1.45
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	9	1.45
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	10	1.45
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	14	1.45
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	16	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	4	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	4	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	4	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	13	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	13	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	13	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	16	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	16	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	16	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	17	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	17	1.45
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	17	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	1	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	2	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	3	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	4	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	5	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	6	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	7	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	8	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	9	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	10	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	11	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	12	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	13	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	14	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	15	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	18	1.45
(1,2699)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	20	1.45
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	9	1.45
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	14	1.45
(1,2648)	1:421:A:HIS:HB2	1:421:A:HIS:HA	19	1.45
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	7	1.45
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	3	1.45
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	4	1.45
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	7	1.45
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	10	1.45
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	12	1.45
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	16	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	1	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	2	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	3	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	4	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	5	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	6	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	7	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	8	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	9	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	10	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	11	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	12	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	14	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	16	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	17	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	18	1.45
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	19	1.45
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	18	1.45
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	12	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	15	1.45
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	11	1.45
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	9	1.45
(1,1816)	1:435:A:LYS:HB2	1:435:A:LYS:HE2	16	1.45
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	2	1.45
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	2	1.45
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	2	1.45
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	4	1.45
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	4	1.45
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	4	1.45
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	18	1.45
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	18	1.45
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	18	1.45
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	20	1.45
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	20	1.45
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	20	1.45
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	7	1.45
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	10	1.45
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	1	1.45
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	1	1.45
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	1	1.45
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	7	1.45
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	10	1.45
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	7	1.45
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	7	1.45
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	19	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	1	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	3	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	4	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	6	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	7	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	8	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	9	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	10	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	11	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	12	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	14	1.45
(1,874)	1:434:A:TRP:HB3	1:434:A:TRP:HA	15	1.45
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	12	1.45
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	16	1.45
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	19	1.45
(1,866)	1:364:A:LEU:HB2	1:356:A:TYR:HB3	20	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	14	1.45
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	4	1.45
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	17	1.45
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	2	1.45
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	11	1.45
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	10	1.45
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	16	1.45
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	1	1.45
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	5	1.45
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	13	1.45
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	18	1.45
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	2	1.45
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	2	1.45
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	2	1.45
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	8	1.45
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	8	1.45
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	8	1.45
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	10	1.45
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	10	1.45
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	10	1.45
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	16	1.45
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	16	1.45
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	16	1.45
(1,415)	1:373:A:PRO:HD3	1:372:A:LYS:HA	7	1.45
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	2	1.45
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	5	1.45
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	10	1.45
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	18	1.45
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	6	1.45
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	6	1.45
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	6	1.45
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	7	1.45
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	4	1.45
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	7	1.45
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	1	1.44
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	1	1.44
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	1	1.44
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	6	1.44
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	19	1.44
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	7	1.44
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	10	1.44
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	17	1.44
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	11	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	1	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	1	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	1	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	2	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	2	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	2	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	7	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	7	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	7	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	8	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	8	1.44
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	8	1.44
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	20	1.44
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	10	1.44
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	11	1.44
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	2	1.44
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	4	1.44
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	7	1.44
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	13	1.44
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	17	1.44
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	18	1.44
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	20	1.44
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	6	1.44
(1,2802)	1:367:A:ASP:HB2	1:367:A:ASP:H	16	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	1	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	1	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	1	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	5	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	5	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	5	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	14	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	14	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	14	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	19	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	19	1.44
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	19	1.44
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	5	1.44
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	10	1.44
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	12	1.44
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	13	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	1	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	2	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	3	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	4	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	5	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	7	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	8	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	10	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	11	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	15	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	17	1.44
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	20	1.44
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	2	1.44
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	6	1.44
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	15	1.44
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	17	1.44
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	18	1.44
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	19	1.44
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	13	1.44
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	15	1.44
(1,2183)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	20	1.44
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	5	1.44
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	13	1.44
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	13	1.44
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	13	1.44
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	3	1.44
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	3	1.44
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	3	1.44
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	16	1.44
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	16	1.44
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	16	1.44
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	3	1.44
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	8	1.44
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	16	1.44
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	17	1.44
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	3	1.44
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	8	1.44
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	16	1.44
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	17	1.44
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	5	1.44
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	8	1.44
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	20	1.44
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	1	1.44
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	12	1.44
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	8	1.44
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	9	1.44
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	1	1.44
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	2	1.44
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	5	1.44
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	9	1.44
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	10	1.44
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	11	1.44
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	12	1.44
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	15	1.44
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	19	1.44
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	2	1.44
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	3	1.44
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	19	1.44
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	16	1.44
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	2	1.44
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	3	1.44
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	6	1.44
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	15	1.44
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	16	1.44
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	19	1.44
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	1	1.44
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	3	1.44
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	3	1.44
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	3	1.44
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	3	1.44
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	13	1.44
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	16	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	1	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	2	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	3	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	4	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	5	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	6	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	8	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	9	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	10	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	11	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	13	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	14	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	15	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	16	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	17	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	18	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	19	1.44
(1,162)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	20	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	1	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	2	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	3	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	5	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	6	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	8	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	9	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	10	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	11	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	12	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	13	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	14	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	15	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	16	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	17	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	18	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	19	1.44
(1,44)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	20	1.44
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	1	1.43
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	16	1.43
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	6	1.43
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	15	1.43
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	20	1.43
(1,3394)	1:425:A:TRP:HH2	1:393:A:LEU:HD11	10	1.43
(1,3394)	1:425:A:TRP:HH2	1:393:A:LEU:HD12	10	1.43
(1,3394)	1:425:A:TRP:HH2	1:393:A:LEU:HD13	10	1.43
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	3	1.43
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	3	1.43
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	3	1.43
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	3	1.43
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	9	1.43
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	13	1.43
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	17	1.43
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	8	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	11	1.43
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	11	1.43
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	19	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	2	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	2	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	2	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	8	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	8	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	8	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	10	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	10	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	10	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	11	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	11	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	11	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	12	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	12	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	12	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	20	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	20	1.43
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	20	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	4	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	5	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	6	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	7	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	8	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	11	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	13	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	15	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	16	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	17	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	18	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	19	1.43
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	20	1.43
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	8	1.43
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	7	1.43
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	20	1.43
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	18	1.43
(1,2535)	1:383:A:TYR:HB2	1:383:A:TYR:H	19	1.43
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	6	1.43
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	9	1.43
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	12	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	13	1.43
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	14	1.43
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	16	1.43
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	18	1.43
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	3	1.43
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	4	1.43
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	5	1.43
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	6	1.43
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	5	1.43
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	11	1.43
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	19	1.43
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	1	1.43
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	8	1.43
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	9	1.43
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	17	1.43
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	12	1.43
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	10	1.43
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	10	1.43
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	10	1.43
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	11	1.43
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	11	1.43
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	11	1.43
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	2	1.43
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	6	1.43
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	9	1.43
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	14	1.43
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	15	1.43
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	18	1.43
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	5	1.43
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	12	1.43
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	6	1.43
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	6	1.43
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	6	1.43
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	9	1.43
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	9	1.43
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	9	1.43
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	2	1.43
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	6	1.43
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	9	1.43
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	14	1.43
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	15	1.43
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	18	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	1	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	2	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	3	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	4	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	6	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	7	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	9	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	10	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	11	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	13	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	14	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	15	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	16	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	17	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	18	1.43
(1,1295)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	19	1.43
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	7	1.43
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	17	1.43
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	18	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	1	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	2	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	3	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	4	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	5	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	6	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	7	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	8	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	9	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	10	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	11	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	12	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	13	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	14	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	15	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	16	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	17	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	18	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	19	1.43
(1,1126)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	20	1.43
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	4	1.43
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	10	1.43
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	12	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	6	1.43
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	8	1.43
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	3	1.43
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	8	1.43
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	13	1.43
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	14	1.43
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	16	1.43
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	17	1.43
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	20	1.43
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	6	1.43
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	13	1.43
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	17	1.43
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	2	1.43
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	6	1.43
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	7	1.43
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	9	1.43
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	10	1.43
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	1	1.43
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	3	1.43
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	12	1.43
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	4	1.43
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	7	1.43
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	8	1.43
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	9	1.43
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	10	1.43
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	11	1.43
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	12	1.43
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	14	1.43
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	17	1.43
(1,580)	1:434:A:TRP:HA	1:434:A:TRP:H	20	1.43
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	4	1.43
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	4	1.43
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	4	1.43
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	5	1.43
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	5	1.43
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	5	1.43
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	9	1.43
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	9	1.43
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	9	1.43
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	15	1.43
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	15	1.43
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	15	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	18	1.43
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	18	1.43
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	18	1.43
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	1	1.43
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	4	1.43
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	6	1.43
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	8	1.43
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	9	1.43
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	12	1.43
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	17	1.43
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	19	1.43
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	20	1.43
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	18	1.43
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	19	1.43
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	18	1.42
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	2	1.42
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	5	1.42
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	17	1.42
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	18	1.42
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	1	1.42
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	12	1.42
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	18	1.42
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	5	1.42
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	2	1.42
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	9	1.42
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	9	1.42
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	9	1.42
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	5	1.42
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	6	1.42
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	14	1.42
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	8	1.42
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	17	1.42
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	9	1.42
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	9	1.42
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	9	1.42
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	1	1.42
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	2	1.42
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	4	1.42
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	1	1.42
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	2	1.42
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	3	1.42
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	9	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	10	1.42
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	12	1.42
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	7	1.42
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	11	1.42
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	15	1.42
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	19	1.42
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	1	1.42
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	4	1.42
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	11	1.42
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	14	1.42
(1,2520)	1:410:A:TRP:HA	1:410:A:TRP:HB2	19	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	1	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	2	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	7	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	8	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	9	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	10	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	11	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	12	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	13	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	14	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	15	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	16	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	17	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	18	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	19	1.42
(1,2399)	1:462:A:PRO:HD3	1:462:A:PRO:HD2	20	1.42
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	3	1.42
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	4	1.42
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	7	1.42
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	9	1.42
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	10	1.42
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	12	1.42
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	14	1.42
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	15	1.42
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	17	1.42
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	18	1.42
(1,2247)	1:465:A:VAL:HA	1:466:A:PHE:H	13	1.42
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	16	1.42
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	7	1.42
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	7	1.42
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	7	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	8	1.42
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	8	1.42
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	8	1.42
(1,1785)	1:407:A:VAL:HG21	1:388:A:GLU:HB2	17	1.42
(1,1785)	1:407:A:VAL:HG22	1:388:A:GLU:HB2	17	1.42
(1,1785)	1:407:A:VAL:HG23	1:388:A:GLU:HB2	17	1.42
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	4	1.42
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	5	1.42
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	11	1.42
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	17	1.42
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	19	1.42
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	20	1.42
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	3	1.42
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	3	1.42
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	3	1.42
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	10	1.42
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	10	1.42
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	10	1.42
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	14	1.42
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	14	1.42
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	14	1.42
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	17	1.42
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	17	1.42
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	17	1.42
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	4	1.42
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	5	1.42
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	11	1.42
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	19	1.42
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	3	1.42
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	6	1.42
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	15	1.42
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	19	1.42
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	3	1.42
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	13	1.42
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	11	1.42
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	11	1.42
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	11	1.42
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	12	1.42
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	12	1.42
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	12	1.42
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	17	1.42
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	17	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	17	1.42
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	3	1.42
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	8	1.42
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	13	1.42
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	14	1.42
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	15	1.42
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	17	1.42
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	4	1.42
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	6	1.42
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	7	1.42
(1,873)	1:344:A:TYR:HA	1:344:A:TYR:HB2	18	1.42
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	3	1.42
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	4	1.42
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	10	1.42
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	16	1.42
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	12	1.42
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	14	1.42
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	15	1.42
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	18	1.42
(1,803)	1:377:A:THR:HA	1:378:A:PRO:HD3	11	1.42
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	9	1.42
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	10	1.42
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	17	1.42
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	16	1.42
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	11	1.42
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	11	1.42
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	11	1.42
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	13	1.42
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	13	1.42
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	13	1.42
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	14	1.42
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	14	1.42
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	14	1.42
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	15	1.42
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	14	1.42
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	14	1.42
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	14	1.42
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	4	1.41
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	3	1.41
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	4	1.41
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	12	1.41
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	20	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	18	1.41
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	18	1.41
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	4	1.41
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	8	1.41
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	16	1.41
(1,2898)	1:352:A:GLN:HG2	1:352:A:GLN:H	1	1.41
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	14	1.41
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	2	1.41
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	4	1.41
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	7	1.41
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	20	1.41
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	8	1.41
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	11	1.41
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	14	1.41
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	16	1.41
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	20	1.41
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	1	1.41
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	2	1.41
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	3	1.41
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	6	1.41
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	16	1.41
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	18	1.41
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	3	1.41
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	8	1.41
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	12	1.41
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	13	1.41
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	16	1.41
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	17	1.41
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	1	1.41
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	2	1.41
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	6	1.41
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	8	1.41
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	13	1.41
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	16	1.41
(1,2331)	1:465:A:VAL:HB	1:465:A:VAL:HA	20	1.41
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	3	1.41
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	6	1.41
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	11	1.41
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	19	1.41
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	2	1.41
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	4	1.41
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	5	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	6	1.41
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	9	1.41
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	10	1.41
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	11	1.41
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	14	1.41
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	15	1.41
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	17	1.41
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	18	1.41
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	12	1.41
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	6	1.41
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	8	1.41
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	8	1.41
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	8	1.41
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	12	1.41
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	12	1.41
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	12	1.41
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	12	1.41
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	20	1.41
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	4	1.41
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	11	1.41
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	12	1.41
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	13	1.41
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	1	1.41
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	18	1.41
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	16	1.41
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	16	1.41
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	16	1.41
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	2	1.41
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	4	1.41
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	5	1.41
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	7	1.41
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	9	1.41
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	12	1.41
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	16	1.41
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	19	1.41
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	18	1.41
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	1	1.41
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	7	1.41
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	12	1.41
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	5	1.41
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	17	1.41
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	4	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	6	1.41
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	16	1.41
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	1	1.41
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	17	1.41
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	17	1.41
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	17	1.41
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	7	1.41
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	11	1.41
(1,180)	1:443:A:ILE:HB	1:443:A:ILE:H	14	1.41
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	1	1.41
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	1	1.41
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	1	1.41
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	3	1.41
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	4	1.41
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	5	1.41
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	6	1.41
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	8	1.41
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	10	1.41
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	14	1.41
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	16	1.41
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	14	1.41
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	14	1.41
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	14	1.41
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	15	1.4
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	15	1.4
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	15	1.4
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	3	1.4
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	20	1.4
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	8	1.4
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	9	1.4
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	11	1.4
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	13	1.4
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	14	1.4
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	7	1.4
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	14	1.4
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	5	1.4
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	20	1.4
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	7	1.4
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	7	1.4
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	7	1.4
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	7	1.4
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	7	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	7	1.4
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	8	1.4
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	8	1.4
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	8	1.4
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	8	1.4
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	8	1.4
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	8	1.4
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	18	1.4
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	18	1.4
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	18	1.4
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	18	1.4
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	18	1.4
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	18	1.4
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	15	1.4
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	15	1.4
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	15	1.4
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	1	1.4
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	7	1.4
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	15	1.4
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	19	1.4
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	15	1.4
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	18	1.4
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	1	1.4
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	1	1.4
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	3	1.4
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	9	1.4
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	10	1.4
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	12	1.4
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	14	1.4
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	18	1.4
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	10	1.4
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	12	1.4
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	15	1.4
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	6	1.4
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	9	1.4
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	11	1.4
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	16	1.4
(1,2649)	1:435:A:LYS:HB3	1:435:A:LYS:HE3	20	1.4
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	2	1.4
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	10	1.4
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	15	1.4
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	18	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	19	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	1	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	2	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	4	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	7	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	8	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	9	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	11	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	12	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	13	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	14	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	16	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	17	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	18	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	19	1.4
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	20	1.4
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	16	1.4
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	14	1.4
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	1	1.4
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	3	1.4
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	7	1.4
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	8	1.4
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	12	1.4
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	13	1.4
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	16	1.4
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	19	1.4
(1,1817)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	20	1.4
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	1	1.4
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	9	1.4
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	2	1.4
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	2	1.4
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	2	1.4
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	4	1.4
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	4	1.4
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	4	1.4
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	5	1.4
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	5	1.4
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	5	1.4
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	16	1.4
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	16	1.4
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	16	1.4
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	1	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	1	1.4
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	2	1.4
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	10	1.4
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	16	1.4
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	20	1.4
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	4	1.4
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	7	1.4
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	1	1.4
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	11	1.4
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	18	1.4
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	5	1.4
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	16	1.4
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	20	1.4
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	20	1.4
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	20	1.4
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	1	1.4
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	2	1.4
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	5	1.4
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	11	1.4
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	15	1.4
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	16	1.4
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	2	1.4
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	8	1.4
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	15	1.4
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	18	1.4
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	11	1.4
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	7	1.4
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	7	1.4
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	7	1.4
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	12	1.4
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	12	1.4
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	12	1.4
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	15	1.4
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	15	1.4
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	15	1.4
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	16	1.4
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	1	1.4
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	2	1.4
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	7	1.4
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	9	1.4
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	11	1.4
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	12	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	13	1.4
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	15	1.4
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	17	1.4
(1,59)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	20	1.4
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	6	1.39
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	6	1.39
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	6	1.39
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	18	1.39
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	18	1.39
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	18	1.39
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	2	1.39
(1,4192)	1:426:A:GLN:HE22	1:428:A:GLU:HB2	7	1.39
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	12	1.39
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	6	1.39
(1,4028)	1:456:A:MET:H	1:457:A:VAL:HB	15	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	1	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	2	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	3	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	4	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	5	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	9	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	10	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	11	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	12	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	13	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	16	1.39
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	19	1.39
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	16	1.39
(1,3636)	1:346:A:GLU:H	1:362:A:VAL:HA	12	1.39
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	9	1.39
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	15	1.39
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	15	1.39
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	15	1.39
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	15	1.39
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	15	1.39
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	15	1.39
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	6	1.39
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	6	1.39
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	6	1.39
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	18	1.39
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	18	1.39
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	18	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD1	9	1.39
(1,3111)	1:369:A:VAL:HG21	1:429:A:TYR:HD2	9	1.39
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD1	9	1.39
(1,3111)	1:369:A:VAL:HG22	1:429:A:TYR:HD2	9	1.39
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD1	9	1.39
(1,3111)	1:369:A:VAL:HG23	1:429:A:TYR:HD2	9	1.39
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	9	1.39
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	13	1.39
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	18	1.39
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	12	1.39
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	5	1.39
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	8	1.39
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	2	1.39
(1,2886)	1:420:A:ILE:HB	1:420:A:ILE:H	19	1.39
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	20	1.39
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	5	1.39
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	13	1.39
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	15	1.39
(1,2855)	1:435:A:LYS:HB3	1:435:A:LYS:HE2	16	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	1	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	1	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	1	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	2	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	2	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	2	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	3	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	3	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	3	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	4	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	4	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	4	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	5	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	5	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	5	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	6	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	6	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	6	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	7	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	7	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	7	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	8	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	8	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	8	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	9	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	9	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	9	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	10	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	10	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	10	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	11	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	11	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	11	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	12	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	12	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	12	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	13	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	13	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	13	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	14	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	14	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	14	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	15	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	15	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	15	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	16	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	16	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	16	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	17	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	17	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	17	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	18	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	18	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	18	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	19	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	19	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	19	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	20	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	20	1.39
(1,2837)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	20	1.39
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	6	1.39
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	6	1.39
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	6	1.39
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	3	1.39
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	5	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	17	1.39
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	19	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	1	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	2	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	3	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	4	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	5	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	7	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	8	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	10	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	12	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	14	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	17	1.39
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	18	1.39
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	18	1.39
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	19	1.39
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	5	1.39
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	6	1.39
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	5	1.39
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	10	1.39
(1,2292)	1:344:A:TYR:HA	1:344:A:TYR:HB3	15	1.39
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	15	1.39
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	20	1.39
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	6	1.39
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	18	1.39
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	4	1.39
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	4	1.39
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	4	1.39
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	8	1.39
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	7	1.39
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	11	1.39
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	16	1.39
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	4	1.39
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	19	1.39
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	18	1.39
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	19	1.39
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	7	1.39
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	8	1.39
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	9	1.39
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	14	1.39
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	6	1.39
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	8	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	9	1.39
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	10	1.39
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	6	1.39
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	9	1.39
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	4	1.39
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	7	1.39
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	9	1.39
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	10	1.39
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	14	1.39
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	19	1.39
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	3	1.39
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	6	1.39
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	9	1.39
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	10	1.39
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	12	1.39
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	13	1.39
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	14	1.39
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	17	1.39
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	9	1.39
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	4	1.39
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	13	1.39
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	19	1.39
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	20	1.39
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	4	1.39
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	8	1.39
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	15	1.39
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	12	1.39
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	4	1.38
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	4	1.38
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	4	1.38
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	12	1.38
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	14	1.38
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	6	1.38
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	9	1.38
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	17	1.38
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	6	1.38
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	7	1.38
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	8	1.38
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	15	1.38
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	17	1.38
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	18	1.38
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	9	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	3	1.38
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	3	1.38
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	3	1.38
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	3	1.38
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	3	1.38
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	3	1.38
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	5	1.38
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	5	1.38
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	5	1.38
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	5	1.38
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	5	1.38
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	5	1.38
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	10	1.38
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	11	1.38
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	17	1.38
(1,3062)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	2	1.38
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	7	1.38
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	13	1.38
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	18	1.38
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	18	1.38
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	18	1.38
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	6	1.38
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	7	1.38
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	13	1.38
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	15	1.38
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	20	1.38
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	20	1.38
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	11	1.38
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	12	1.38
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	16	1.38
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	17	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	1	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	2	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	3	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	7	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	8	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	12	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	13	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	15	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	16	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	17	1.38
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	19	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	20	1.38
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	17	1.38
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	17	1.38
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	17	1.38
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	3	1.38
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	8	1.38
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	10	1.38
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	13	1.38
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	14	1.38
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	13	1.38
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	13	1.38
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	13	1.38
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	6	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	1	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	2	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	3	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	4	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	5	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	6	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	7	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	8	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	9	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	10	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	11	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	15	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	16	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	17	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	18	1.38
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	20	1.38
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	5	1.38
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	16	1.38
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	1	1.38
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	14	1.38
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	18	1.38
(1,1166)	1:423:A:SER:HA	1:424:A:ASP:H	5	1.38
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	10	1.38
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	3	1.38
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	17	1.38
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	2	1.38
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	3	1.38
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	6	1.38
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	11	1.38
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	12	1.38
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	13	1.38
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	15	1.38
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	17	1.38
(1,992)	1:369:A:VAL:HB	1:369:A:VAL:HA	20	1.38
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	19	1.38
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	19	1.38
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	19	1.38
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	1	1.38
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	8	1.38
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	18	1.38
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	19	1.38
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	20	1.38
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	3	1.38
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	8	1.38
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	9	1.38
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	10	1.38
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	11	1.38
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	1	1.38
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	8	1.38
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	9	1.38
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	5	1.38
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	8	1.38
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	13	1.38
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	15	1.38
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	5	1.38
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	20	1.38
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	20	1.38
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	20	1.38
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	1	1.37
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	5	1.37
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	10	1.37
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	17	1.37
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	13	1.37
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	19	1.37
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	15	1.37
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	15	1.37
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	15	1.37
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	14	1.37
(1,4006)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	20	1.37
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	17	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	17	1.37
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	8	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	9	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	9	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	9	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	9	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	9	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	9	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	10	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	10	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	10	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	10	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	10	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	10	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	14	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	14	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	14	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	14	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	14	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	14	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	16	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	16	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	16	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	16	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	16	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	16	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	17	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	17	1.37
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	17	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	17	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	17	1.37
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	17	1.37
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	1	1.37
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	1	1.37
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	7	1.37
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	7	1.37
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	8	1.37
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	8	1.37
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	3	1.37
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	4	1.37
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	16	1.37
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	10	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	19	1.37
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG21	15	1.37
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG22	15	1.37
(1,2746)	1:462:A:PRO:HD2	1:461:A:THR:HG23	15	1.37
(1,2721)	1:429:A:TYR:HA	1:430:A:GLY:H	9	1.37
(1,2667)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	19	1.37
(1,2555)	1:402:A:PRO:HA	1:403:A:TYR:H	9	1.37
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	5	1.37
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	8	1.37
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	1	1.37
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	4	1.37
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	5	1.37
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	9	1.37
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	10	1.37
(1,2072)	1:421:A:HIS:HB3	1:421:A:HIS:HA	11	1.37
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	12	1.37
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	13	1.37
(1,1594)	1:437:A:ARG:HD2	1:427:A:PRO:HG3	9	1.37
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	6	1.37
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	8	1.37
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	11	1.37
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	20	1.37
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	12	1.37
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	13	1.37
(1,1325)	1:435:A:LYS:HB3	1:435:A:LYS:HA	14	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	2	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	3	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	4	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	6	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	7	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	8	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	9	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	10	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	12	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	13	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	15	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	17	1.37
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	20	1.37
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	13	1.37
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	7	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	1	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	2	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	4	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	5	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	6	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	7	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	12	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	13	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	14	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	16	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	17	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	18	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	19	1.37
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	20	1.37
(1,831)	1:445:A:THR:HA	1:446:A:PRO:HD2	16	1.37
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	7	1.37
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	11	1.37
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	18	1.37
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	19	1.37
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	20	1.37
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	14	1.37
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	20	1.37
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	2	1.37
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	4	1.37
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	9	1.36
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	9	1.36
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	9	1.36
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	11	1.36
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	8	1.36
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	8	1.36
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	8	1.36
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	5	1.36
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	6	1.36
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	6	1.36
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	6	1.36
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	6	1.36
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	6	1.36
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	6	1.36
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	6	1.36
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	6	1.36
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	13	1.36
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	13	1.36
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	7	1.36
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	16	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	18	1.36
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	6	1.36
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	8	1.36
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	14	1.36
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	7	1.36
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	19	1.36
(1,2898)	1:352:A:GLN:HG2	1:352:A:GLN:H	16	1.36
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	2	1.36
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	3	1.36
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	4	1.36
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	12	1.36
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	15	1.36
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	6	1.36
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	20	1.36
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	2	1.36
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	2	1.36
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	2	1.36
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	8	1.36
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	8	1.36
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	8	1.36
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	14	1.36
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	13	1.36
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	14	1.36
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	2	1.36
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	18	1.36
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	18	1.36
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	18	1.36
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	13	1.36
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	6	1.36
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	7	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	1	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	2	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	3	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	4	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	5	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	7	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	9	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	10	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	12	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	13	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	14	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	15	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	18	1.36
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	19	1.36
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	1	1.36
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	11	1.36
(1,1268)	1:384:A:VAL:HA	1:384:A:VAL:HB	14	1.36
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	6	1.36
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	17	1.36
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	18	1.36
(1,898)	1:344:A:TYR:HA	1:345:A:ILE:H	4	1.36
(1,882)	1:374:A:THR:HA	1:375:A:THR:HB	4	1.36
(1,867)	1:379:A:ALA:HA	1:379:A:ALA:H	15	1.36
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	2	1.36
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	8	1.36
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	10	1.36
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	12	1.36
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	13	1.36
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	15	1.36
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	16	1.36
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	17	1.36
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	10	1.36
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	12	1.36
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	16	1.36
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	17	1.36
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	19	1.36
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	9	1.36
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	10	1.36
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	13	1.36
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	17	1.36
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	5	1.35
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	5	1.35
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	5	1.35
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	11	1.35
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	11	1.35
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	11	1.35
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	17	1.35
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	17	1.35
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	17	1.35
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	3	1.35
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	9	1.35
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	15	1.35
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	16	1.35
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	1	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	10	1.35
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	15	1.35
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	5	1.35
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	5	1.35
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	5	1.35
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	15	1.35
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	15	1.35
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	15	1.35
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	1	1.35
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	5	1.35
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	8	1.35
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	9	1.35
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	10	1.35
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	14	1.35
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	15	1.35
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	17	1.35
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	5	1.35
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	5	1.35
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	2	1.35
(1,3096)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	12	1.35
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	11	1.35
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	10	1.35
(1,2497)	1:393:A:LEU:HB2	1:393:A:LEU:H	10	1.35
(1,2220)	1:415:A:TRP:HB2	1:415:A:TRP:HE3	15	1.35
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	2	1.35
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	3	1.35
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	4	1.35
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	7	1.35
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	19	1.35
(1,2076)	1:411:A:MET:HG2	1:411:A:MET:H	19	1.35
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	6	1.35
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	6	1.35
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	6	1.35
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	9	1.35
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	9	1.35
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	9	1.35
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	10	1.35
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	10	1.35
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	10	1.35
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	15	1.35
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	15	1.35
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	15	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	18	1.35
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	18	1.35
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	18	1.35
(1,1777)	1:413:A:ILE:HA	1:413:A:ILE:HB	20	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	1	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	2	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	3	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	4	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	5	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	6	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	7	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	8	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	9	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	10	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	11	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	12	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	13	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	14	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	15	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	16	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	17	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	18	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	19	1.35
(1,1761)	1:357:A:TYR:HB2	1:357:A:TYR:HB3	20	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	1	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	2	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	3	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	4	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	5	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	6	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	7	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	8	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	9	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	10	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	11	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	12	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	13	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	14	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	15	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	16	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	17	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	18	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	19	1.35
(1,1754)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	20	1.35
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	10	1.35
(1,1625)	1:413:A:ILE:HB	1:413:A:ILE:HA	20	1.35
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	16	1.35
(1,1456)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	17	1.35
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	19	1.35
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	13	1.35
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	14	1.35
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	15	1.35
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	9	1.35
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	15	1.35
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	18	1.35
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	3	1.35
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	3	1.35
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	3	1.35
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	9	1.35
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	9	1.35
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	9	1.35
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	15	1.35
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	15	1.35
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	15	1.35
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	5	1.35
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	19	1.35
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	3	1.35
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	6	1.35
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	18	1.35
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	18	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	1	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	2	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	3	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	4	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	5	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	6	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	7	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	8	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	9	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	10	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	11	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	12	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	13	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	14	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	15	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	16	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	17	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	18	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	19	1.35
(1,624)	1:357:A:TYR:HB3	1:357:A:TYR:HB2	20	1.35
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	4	1.35
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	7	1.35
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	5	1.35
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	7	1.35
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	13	1.35
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	14	1.35
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	15	1.35
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	16	1.35
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	20	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	1	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	2	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	3	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	4	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	5	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	6	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	7	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	8	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	9	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	10	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	11	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	12	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	13	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	14	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	15	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	18	1.35
(1,135)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	20	1.35
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	2	1.35
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	3	1.35
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	5	1.35
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	6	1.35
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	8	1.35
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	11	1.35
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	14	1.35
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	15	1.35
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	16	1.35
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	18	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	2	1.35
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	3	1.35
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	4	1.35
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	7	1.34
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	18	1.34
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	8	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	1	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	1	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	1	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	2	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	2	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	2	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	7	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	7	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	7	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	8	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	8	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	8	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	13	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	13	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	13	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	14	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	14	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	14	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	16	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	16	1.34
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	16	1.34
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	5	1.34
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	7	1.34
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	11	1.34
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	2	1.34
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	3	1.34
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	4	1.34
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	6	1.34
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	11	1.34
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	12	1.34
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	19	1.34
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	20	1.34
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	17	1.34
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	17	1.34
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	18	1.34
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	18	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	15	1.34
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	15	1.34
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	15	1.34
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	1	1.34
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	1	1.34
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	1	1.34
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	9	1.34
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	10	1.34
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	14	1.34
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	5	1.34
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	6	1.34
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	8	1.34
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	9	1.34
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	10	1.34
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	13	1.34
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	14	1.34
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	18	1.34
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	3	1.34
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	3	1.34
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	3	1.34
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	7	1.34
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	7	1.34
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	7	1.34
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	12	1.34
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	12	1.34
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	12	1.34
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	7	1.34
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	18	1.34
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	7	1.34
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	3	1.34
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	9	1.34
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	17	1.34
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	18	1.34
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	5	1.34
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	10	1.34
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	16	1.34
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	12	1.34
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	13	1.34
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	1	1.34
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	2	1.34
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	3	1.34
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	8	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	10	1.34
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	12	1.34
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	13	1.34
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	14	1.34
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	16	1.34
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	19	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	1	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	1	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	1	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	4	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	4	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	4	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	5	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	5	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	5	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	8	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	8	1.34
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	8	1.34
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	1	1.34
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	3	1.34
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	5	1.34
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	6	1.34
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	7	1.34
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	8	1.34
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	10	1.34
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	12	1.34
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	20	1.34
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	14	1.34
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	18	1.34
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	6	1.34
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	11	1.34
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	7	1.34
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	19	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	1	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	2	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	3	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	5	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	6	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	8	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	9	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	10	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	11	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	12	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	13	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	14	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	15	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	16	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	17	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	18	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	19	1.34
(1,592)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	20	1.34
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	2	1.34
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	4	1.34
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	8	1.34
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	11	1.34
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	12	1.34
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	5	1.34
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	5	1.34
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	5	1.34
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	5	1.34
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	1	1.34
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	4	1.34
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	12	1.34
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	19	1.34
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	20	1.34
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	5	1.34
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	18	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	1	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	1	1.34
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	1	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	2	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	2	1.34
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	2	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	4	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	4	1.34
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	4	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	6	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	6	1.34
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	6	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	9	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	9	1.34
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	9	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	11	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	11	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	11	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	13	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	13	1.34
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	13	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	17	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	17	1.34
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	17	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	18	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	18	1.34
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	18	1.34
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	20	1.34
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	20	1.34
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	20	1.34
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	7	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	7	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	7	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	10	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	10	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	10	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	12	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	12	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	12	1.33
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	13	1.33
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	10	1.33
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	14	1.33
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	14	1.33
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	19	1.33
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	19	1.33
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	19	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	3	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	3	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	3	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	4	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	4	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	4	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	6	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	6	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	6	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	9	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	9	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	9	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	17	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	17	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	17	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	18	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	18	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	18	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	20	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	20	1.33
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	20	1.33
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	10	1.33
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	10	1.33
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	10	1.33
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	14	1.33
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	14	1.33
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	14	1.33
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	17	1.33
(1,3184)	1:434:A:TRP:HB2	1:434:A:TRP:HA	13	1.33
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	3	1.33
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	3	1.33
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	10	1.33
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	10	1.33
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	19	1.33
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	19	1.33
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	3	1.33
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	14	1.33
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	8	1.33
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	5	1.33
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	5	1.33
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	5	1.33
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	1	1.33
(1,2085)	1:464:A:LEU:HA	1:465:A:VAL:H	15	1.33
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	14	1.33
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	14	1.33
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	14	1.33
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	12	1.33
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	1	1.33
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	19	1.33
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	11	1.33
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	17	1.33
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	2	1.33
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	3	1.33
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	7	1.33
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	19	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	20	1.33
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	3	1.33
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	5	1.33
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	8	1.33
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	16	1.33
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	4	1.33
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	5	1.33
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	7	1.33
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	11	1.33
(1,1242)	1:362:A:VAL:HB	1:363:A:ALA:H	20	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	2	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	2	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	2	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	6	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	6	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	6	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	7	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	7	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	7	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	10	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	10	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	10	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	13	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	13	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	13	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	14	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	14	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	14	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG11	18	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG12	18	1.33
(1,981)	1:347:A:VAL:HA	1:347:A:VAL:HG13	18	1.33
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	2	1.33
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	4	1.33
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	9	1.33
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	11	1.33
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	13	1.33
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	15	1.33
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	16	1.33
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	17	1.33
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	18	1.33
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	1	1.33
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	11	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	15	1.33
(1,685)	1:368:A:ILE:HG13	1:368:A:ILE:H	19	1.33
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	19	1.33
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	13	1.33
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	20	1.33
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	19	1.33
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	19	1.33
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	19	1.33
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	1	1.33
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	3	1.33
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	6	1.33
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	9	1.33
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	10	1.33
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	17	1.33
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	18	1.33
(1,472)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	19	1.33
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	18	1.33
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	14	1.33
(1,120)	1:401:A:THR:HA	1:402:A:PRO:HD2	7	1.33
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	1	1.33
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	9	1.33
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	13	1.33
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	15	1.33
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	17	1.33
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	5	1.33
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	5	1.33
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	5	1.33
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	15	1.33
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	15	1.33
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	15	1.33
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	3	1.33
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	3	1.33
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	3	1.33
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	5	1.33
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	5	1.33
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	5	1.33
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	7	1.33
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	7	1.33
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	7	1.33
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	8	1.33
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	8	1.33
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	8	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	10	1.33
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	10	1.33
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	10	1.33
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	12	1.33
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	12	1.33
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	12	1.33
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	15	1.33
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	15	1.33
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	15	1.33
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	16	1.33
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	16	1.33
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	16	1.33
(1,16)	1:450:A:MET:HE1	1:450:A:MET:HB3	19	1.33
(1,16)	1:450:A:MET:HE2	1:450:A:MET:HB3	19	1.33
(1,16)	1:450:A:MET:HE3	1:450:A:MET:HB3	19	1.33
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	2	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	2	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	2	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	13	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	13	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	13	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	16	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	16	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	16	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	19	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	19	1.32
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	19	1.32
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	12	1.32
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	12	1.32
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	12	1.32
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	14	1.32
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	14	1.32
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	14	1.32
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	16	1.32
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	2	1.32
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	4	1.32
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	12	1.32
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	18	1.32
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	7	1.32
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	7	1.32
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	7	1.32
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	11	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	11	1.32
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	11	1.32
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	11	1.32
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	11	1.32
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	11	1.32
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	12	1.32
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	12	1.32
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	12	1.32
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	3	1.32
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	3	1.32
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	3	1.32
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	17	1.32
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	17	1.32
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	17	1.32
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	13	1.32
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	13	1.32
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	13	1.32
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	17	1.32
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	17	1.32
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	17	1.32
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	18	1.32
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	18	1.32
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	14	1.32
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	14	1.32
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	16	1.32
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	16	1.32
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	20	1.32
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	6	1.32
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	10	1.32
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	12	1.32
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	15	1.32
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	17	1.32
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	18	1.32
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	6	1.32
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	11	1.32
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	16	1.32
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	16	1.32
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	16	1.32
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	4	1.32
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	4	1.32
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	4	1.32
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	9	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	9	1.32
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	9	1.32
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	3	1.32
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	6	1.32
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	9	1.32
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	10	1.32
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	12	1.32
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	16	1.32
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	16	1.32
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	16	1.32
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	4	1.32
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	6	1.32
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	4	1.32
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	2	1.32
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	8	1.32
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	18	1.32
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	9	1.32
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	6	1.32
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	15	1.32
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	19	1.32
(1,850)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	20	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	1	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	2	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	3	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	4	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	5	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	6	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	7	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	8	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	9	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	10	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	13	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	14	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	18	1.32
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	19	1.32
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	2	1.32
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	5	1.32
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	14	1.32
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	16	1.32
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	7	1.32
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	7	1.32
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	7	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	11	1.32
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	11	1.32
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	11	1.32
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	15	1.32
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	15	1.32
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	15	1.32
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	18	1.32
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	18	1.32
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	18	1.32
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	6	1.32
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	12	1.32
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	14	1.32
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	8	1.32
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	8	1.32
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	15	1.32
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	8	1.31
(1,4200)	1:368:A:ILE:H	1:445:A:THR:HA	20	1.31
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	2	1.31
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	2	1.31
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	2	1.31
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	2	1.31
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	7	1.31
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	3	1.31
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	17	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	1	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	1	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	1	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	4	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	4	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	4	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	5	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	5	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	5	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	8	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	8	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	8	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	13	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	13	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	13	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	14	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	14	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	14	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	17	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	17	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	17	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	18	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	18	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	18	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	20	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	20	1.31
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	20	1.31
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	19	1.31
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	19	1.31
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	19	1.31
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	14	1.31
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	14	1.31
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	14	1.31
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	2	1.31
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	2	1.31
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	2	1.31
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	8	1.31
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	8	1.31
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	8	1.31
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	20	1.31
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	20	1.31
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	20	1.31
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	2	1.31
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	2	1.31
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	2	1.31
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	2	1.31
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	2	1.31
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	2	1.31
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	4	1.31
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	4	1.31
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	4	1.31
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	4	1.31
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	4	1.31
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	4	1.31
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	6	1.31
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	6	1.31
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	6	1.31
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	1	1.31
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	2	1.31
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	7	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	9	1.31
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	5	1.31
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	16	1.31
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	17	1.31
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	6	1.31
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	16	1.31
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	16	1.31
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	3	1.31
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	3	1.31
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	3	1.31
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	7	1.31
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	7	1.31
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	7	1.31
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	12	1.31
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	12	1.31
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	12	1.31
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	1	1.31
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	5	1.31
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	7	1.31
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	13	1.31
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	16	1.31
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	17	1.31
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	18	1.31
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	20	1.31
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	1	1.31
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	1	1.31
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	1	1.31
(1,2006)	1:413:A:ILE:HG21	1:418:A:VAL:HA	5	1.31
(1,2006)	1:413:A:ILE:HG22	1:418:A:VAL:HA	5	1.31
(1,2006)	1:413:A:ILE:HG23	1:418:A:VAL:HA	5	1.31
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	1	1.31
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	2	1.31
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	3	1.31
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	18	1.31
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	19	1.31
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	20	1.31
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	12	1.31
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	1	1.31
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	5	1.31
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	10	1.31
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	14	1.31
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	18	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	1	1.31
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	4	1.31
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	11	1.31
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	12	1.31
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	18	1.31
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	20	1.31
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	7	1.31
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	11	1.31
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	12	1.31
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	16	1.31
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	17	1.31
(1,730)	1:349:A:LEU:HG	1:349:A:LEU:HB3	20	1.31
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	3	1.31
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	7	1.31
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	15	1.31
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	18	1.31
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	1	1.31
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	1	1.31
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	1	1.31
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	4	1.31
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	4	1.31
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	4	1.31
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	5	1.31
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	5	1.31
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	5	1.31
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	8	1.31
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	8	1.31
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	8	1.31
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	13	1.31
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	13	1.31
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	13	1.31
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	14	1.31
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	14	1.31
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	14	1.31
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	17	1.31
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	17	1.31
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	17	1.31
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	18	1.31
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	18	1.31
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	18	1.31
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	20	1.31
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	20	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	20	1.31
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	5	1.31
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	10	1.31
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	13	1.31
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	14	1.31
(1,416)	1:354:A:MET:HE1	1:348:A:ASP:H	19	1.31
(1,416)	1:354:A:MET:HE2	1:348:A:ASP:H	19	1.31
(1,416)	1:354:A:MET:HE3	1:348:A:ASP:H	19	1.31
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	1	1.31
(1,288)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	16	1.31
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	5	1.31
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	14	1.31
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	1	1.31
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	12	1.31
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	12	1.31
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	12	1.31
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	16	1.31
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	16	1.31
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	16	1.31
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	7	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	1	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	2	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	3	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	4	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	5	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	6	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	7	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	9	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	10	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	11	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	12	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	13	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	14	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	15	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	16	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	17	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	18	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	19	1.31
(1,61)	1:375:A:THR:HA	1:375:A:THR:H	20	1.31
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	16	1.31
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	16	1.31
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	18	1.31
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	18	1.31
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	18	1.31
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	14	1.3
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	14	1.3
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	14	1.3
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	8	1.3
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	1	1.3
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	6	1.3
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	15	1.3
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	1	1.3
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	3	1.3
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	3	1.3
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	3	1.3
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	16	1.3
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	16	1.3
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	16	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	4	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	4	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	4	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	6	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	6	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	6	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	9	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	9	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	9	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	11	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	11	1.3
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	11	1.3
(1,3577)	1:431:A:GLY:H	1:367:A:ASP:HB2	18	1.3
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	4	1.3
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	4	1.3
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	4	1.3
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	5	1.3
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	5	1.3
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	5	1.3
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	10	1.3
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	10	1.3
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	10	1.3
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	16	1.3
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	16	1.3
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	20	1.3
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	20	1.3
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	20	1.3
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	1	1.3
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	9	1.3
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	9	1.3
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	12	1.3
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	12	1.3
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	13	1.3
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	13	1.3
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	14	1.3
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	4	1.3
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	5	1.3
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	11	1.3
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	16	1.3
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	20	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	2	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	3	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	4	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	8	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	9	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	10	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	11	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	13	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	15	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	17	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	18	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	19	1.3
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	20	1.3
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	10	1.3
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	10	1.3
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	10	1.3
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	16	1.3
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	16	1.3
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	16	1.3
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	2	1.3
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	4	1.3
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	8	1.3
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	11	1.3
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	14	1.3
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	15	1.3
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	5	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	7	1.3
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	11	1.3
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	13	1.3
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	2	1.3
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	11	1.3
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	15	1.3
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	9	1.3
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	9	1.3
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	6	1.3
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	8	1.3
(1,1357)	1:375:A:THR:HA	1:376:A:PRO:HD3	17	1.3
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	17	1.3
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	19	1.3
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	17	1.3
(1,933)	1:450:A:MET:HG3	1:450:A:MET:HB3	14	1.3
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	19	1.3
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	15	1.3
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	7	1.3
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	7	1.3
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	7	1.3
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	12	1.3
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	12	1.3
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	12	1.3
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	20	1.3
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	20	1.3
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	20	1.3
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	17	1.3
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	3	1.3
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	3	1.3
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	3	1.3
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	16	1.3
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	16	1.3
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	16	1.3
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	15	1.3
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	19	1.3
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	6	1.3
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	11	1.3
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	7	1.3
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	2	1.3
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	2	1.3
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	2	1.3
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	4	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	4	1.3
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	4	1.3
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	14	1.3
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	14	1.3
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	14	1.3
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	10	1.3
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	11	1.3
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	16	1.3
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	1	1.3
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	1	1.3
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	1	1.3
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	3	1.3
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	3	1.3
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	3	1.3
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	6	1.3
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	6	1.3
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	6	1.3
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	9	1.3
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	9	1.3
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	9	1.3
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	12	1.3
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	12	1.3
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	12	1.3
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	13	1.3
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	13	1.3
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	13	1.3
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	20	1.29
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	20	1.29
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	20	1.29
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	14	1.29
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	5	1.29
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	5	1.29
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	5	1.29
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	9	1.29
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	9	1.29
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	9	1.29
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	12	1.29
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	12	1.29
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	12	1.29
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	15	1.29
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	15	1.29
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	15	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG11	10	1.29
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG12	10	1.29
(1,3654)	1:409:A:TYR:H	1:407:A:VAL:HG13	10	1.29
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	1	1.29
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	1	1.29
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	1	1.29
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	3	1.29
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	3	1.29
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	3	1.29
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	15	1.29
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	15	1.29
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	15	1.29
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	14	1.29
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	14	1.29
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	14	1.29
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	11	1.29
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	11	1.29
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	11	1.29
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	4	1.29
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	18	1.29
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	2	1.29
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	2	1.29
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	15	1.29
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	15	1.29
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	8	1.29
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	13	1.29
(1,2901)	1:445:A:THR:HA	1:446:A:PRO:HB2	19	1.29
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	19	1.29
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	1	1.29
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	5	1.29
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	7	1.29
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	14	1.29
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	2	1.29
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	2	1.29
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	2	1.29
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	20	1.29
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	18	1.29
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	19	1.29
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	19	1.29
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	19	1.29
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	19	1.29
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	17	1.29
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	15	1.29
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	15	1.29
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	15	1.29
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	1	1.29
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	1	1.29
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	1	1.29
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	15	1.29
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	15	1.29
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	15	1.29
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	9	1.29
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	4	1.29
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	10	1.29
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	13	1.29
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	3	1.29
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	9	1.29
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	12	1.29
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	16	1.29
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	16	1.29
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	11	1.29
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	6	1.29
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	14	1.29
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	6	1.29
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	4	1.29
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	4	1.29
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	4	1.29
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	8	1.29
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	8	1.29
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	8	1.29
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	10	1.29
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	10	1.29
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	10	1.29
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	16	1.29
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	16	1.29
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	16	1.29
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	17	1.29
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	17	1.29
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	17	1.29
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	3	1.29
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	10	1.29
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	12	1.29
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	9	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	9	1.29
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	9	1.29
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	12	1.29
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	12	1.29
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	12	1.29
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	15	1.29
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	15	1.29
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	15	1.29
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	11	1.29
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	16	1.29
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	3	1.29
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	4	1.29
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	15	1.29
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	13	1.29
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	13	1.29
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	13	1.29
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	5	1.29
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	16	1.29
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	5	1.29
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	5	1.29
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	5	1.29
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	10	1.29
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	10	1.29
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	10	1.29
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	11	1.29
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	11	1.29
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	11	1.29
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	19	1.29
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	20	1.29
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	2	1.29
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	2	1.29
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	2	1.29
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	7	1.29
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	7	1.29
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	7	1.29
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	10	1.29
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	10	1.29
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	10	1.29
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	14	1.29
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	14	1.29
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	14	1.29
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	6	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	9	1.29
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	15	1.28
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	15	1.28
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	15	1.28
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	11	1.28
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	15	1.28
(1,3763)	1:441:A:GLY:H	1:442:A:CYS:H	6	1.28
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	2	1.28
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	2	1.28
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	2	1.28
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD21	6	1.28
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD22	6	1.28
(1,3655)	1:394:A:LYS:H	1:393:A:LEU:HD23	6	1.28
(1,3649)	1:442:A:CYS:H	1:441:A:GLY:H	6	1.28
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	12	1.28
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	12	1.28
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	2	1.28
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	5	1.28
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	8	1.28
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	10	1.28
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	11	1.28
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	12	1.28
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	15	1.28
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	16	1.28
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	20	1.28
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	13	1.28
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	1	1.28
(1,2658)	1:450:A:MET:HA	1:451:A:LYS:HB3	12	1.28
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	6	1.28
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	6	1.28
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	6	1.28
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	12	1.28
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	12	1.28
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	12	1.28
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	6	1.28
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	19	1.28
(1,2519)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	17	1.28
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	19	1.28
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	11	1.28
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	11	1.28
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	11	1.28
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	17	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	17	1.28
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	17	1.28
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	18	1.28
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	18	1.28
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	18	1.28
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	3	1.28
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	7	1.28
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	5	1.28
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	9	1.28
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	10	1.28
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	15	1.28
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	16	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	2	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	2	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	2	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	3	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	3	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	3	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	4	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	4	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	4	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	5	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	5	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	5	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	6	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	6	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	6	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	7	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	7	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	7	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	8	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	8	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	8	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	9	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	9	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	9	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	10	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	10	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	10	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	11	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	11	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	11	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	12	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	12	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	12	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	14	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	14	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	14	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	16	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	16	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	16	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	17	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	17	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	17	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	18	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	18	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	18	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	19	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	19	1.28
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	19	1.28
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	5	1.28
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	13	1.28
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	17	1.28
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	20	1.28
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	13	1.28
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	20	1.28
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	11	1.28
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	12	1.28
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	9	1.28
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	4	1.28
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	12	1.28
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	1	1.28
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	5	1.28
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	8	1.28
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	17	1.28
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	18	1.28
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	1	1.28
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	1	1.28
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	1	1.28
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	2	1.28
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	2	1.28
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	2	1.28
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	3	1.28
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	3	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	3	1.28
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	9	1.28
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	9	1.28
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	9	1.28
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	11	1.28
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	11	1.28
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	11	1.28
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	13	1.28
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	13	1.28
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	13	1.28
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	14	1.28
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	14	1.28
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	14	1.28
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	18	1.28
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	18	1.28
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	18	1.28
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	9	1.28
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	2	1.28
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	2	1.28
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	2	1.28
(1,645)	1:393:A:LEU:HD21	1:394:A:LYS:H	6	1.28
(1,645)	1:393:A:LEU:HD22	1:394:A:LYS:H	6	1.28
(1,645)	1:393:A:LEU:HD23	1:394:A:LYS:H	6	1.28
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	1	1.28
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	2	1.28
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	4	1.28
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	6	1.28
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	8	1.28
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	9	1.28
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	14	1.28
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	16	1.28
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	2	1.28
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	9	1.28
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	10	1.28
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	18	1.28
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	19	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	1	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	1	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	1	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	3	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	3	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	3	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	11	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	11	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	11	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	15	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	15	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	15	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	16	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	16	1.28
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	16	1.28
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	14	1.28
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	20	1.28
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	3	1.28
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	3	1.28
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	3	1.28
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	6	1.28
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	6	1.28
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	6	1.28
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	9	1.28
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	9	1.28
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	9	1.28
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	20	1.28
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	20	1.28
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	20	1.28
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	13	1.28
(1,80)	1:365:A:GLU:HB2	1:365:A:GLU:H	8	1.28
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	4	1.28
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	4	1.28
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	4	1.28
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	8	1.28
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	8	1.28
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	8	1.28
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	18	1.28
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	20	1.28
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	8	1.27
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	8	1.27
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	8	1.27
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	8	1.27
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	9	1.27
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	11	1.27
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	20	1.27
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	6	1.27
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	6	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	6	1.27
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	10	1.27
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	10	1.27
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	10	1.27
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	8	1.27
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	8	1.27
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	8	1.27
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	10	1.27
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	10	1.27
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	10	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	1	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	1	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	1	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	13	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	13	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	13	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	15	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	15	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	15	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	16	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	16	1.27
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	16	1.27
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	1	1.27
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	1	1.27
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	1	1.27
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	2	1.27
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	2	1.27
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	2	1.27
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	5	1.27
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	12	1.27
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	12	1.27
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	12	1.27
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	13	1.27
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	14	1.27
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	17	1.27
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	19	1.27
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	4	1.27
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	4	1.27
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	11	1.27
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	11	1.27
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD1	20	1.27
(1,3118)	1:382:A:PHE:HA	1:382:A:PHE:HD2	20	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	3	1.27
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	4	1.27
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	7	1.27
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	6	1.27
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	9	1.27
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	11	1.27
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	15	1.27
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	16	1.27
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	17	1.27
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	19	1.27
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	2	1.27
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	2	1.27
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	2	1.27
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	9	1.27
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	9	1.27
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	9	1.27
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	14	1.27
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	14	1.27
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	14	1.27
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	3	1.27
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	5	1.27
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	11	1.27
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	18	1.27
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	8	1.27
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	8	1.27
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	8	1.27
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	13	1.27
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	13	1.27
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	13	1.27
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	15	1.27
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	15	1.27
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	15	1.27
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	1	1.27
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	1	1.27
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	15	1.27
(1,1652)	1:413:A:ILE:HD11	1:418:A:VAL:HB	20	1.27
(1,1652)	1:413:A:ILE:HD12	1:418:A:VAL:HB	20	1.27
(1,1652)	1:413:A:ILE:HD13	1:418:A:VAL:HB	20	1.27
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	13	1.27
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	13	1.27
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	13	1.27
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	20	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	20	1.27
(1,1602)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	20	1.27
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	8	1.27
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	8	1.27
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	8	1.27
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	1	1.27
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	2	1.27
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	15	1.27
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	1	1.27
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	2	1.27
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	15	1.27
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	2	1.27
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	2	1.27
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	4	1.27
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	7	1.27
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	8	1.27
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	10	1.27
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	12	1.27
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	17	1.27
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	18	1.27
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	20	1.27
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	1	1.27
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	13	1.27
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	5	1.27
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	5	1.27
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	5	1.27
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	6	1.27
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	6	1.27
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	6	1.27
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	1	1.27
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	1	1.27
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	18	1.27
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	19	1.27
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	3	1.27
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	5	1.27
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	7	1.27
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	10	1.27
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	11	1.27
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	18	1.27
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	20	1.27
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	7	1.27
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	16	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	2	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	2	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	2	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	7	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	7	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	7	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	9	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	9	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	9	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	12	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	12	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	12	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	14	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	14	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	14	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	17	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	17	1.27
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	17	1.27
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	1	1.27
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	2	1.27
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	4	1.27
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	8	1.27
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	12	1.27
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	13	1.27
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	15	1.27
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	20	1.27
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	13	1.27
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	13	1.27
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	13	1.27
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	13	1.27
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	17	1.27
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	17	1.27
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	17	1.27
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	12	1.27
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	2	1.26
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	2	1.26
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	2	1.26
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	8	1.26
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	8	1.26
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	8	1.26
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	15	1.26
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	15	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	15	1.26
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	18	1.26
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	18	1.26
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	18	1.26
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	9	1.26
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	9	1.26
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	9	1.26
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	8	1.26
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	18	1.26
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	7	1.26
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	7	1.26
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	7	1.26
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	12	1.26
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	12	1.26
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	12	1.26
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	9	1.26
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	19	1.26
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	3	1.26
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	3	1.26
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	3	1.26
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	7	1.26
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	7	1.26
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	7	1.26
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	8	1.26
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	8	1.26
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	8	1.26
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	1	1.26
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	4	1.26
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	6	1.26
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	8	1.26
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	12	1.26
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	13	1.26
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	15	1.26
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	20	1.26
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	3	1.26
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	6	1.26
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	7	1.26
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	6	1.26
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	6	1.26
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	6	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	1	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	5	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	9	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	10	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	11	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	12	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	13	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	14	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	17	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	18	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	19	1.26
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	20	1.26
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	1	1.26
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	2	1.26
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	3	1.26
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	4	1.26
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	8	1.26
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	10	1.26
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	12	1.26
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	14	1.26
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	20	1.26
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	16	1.26
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	18	1.26
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	13	1.26
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	13	1.26
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	13	1.26
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	18	1.26
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	18	1.26
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	18	1.26
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	5	1.26
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	15	1.26
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	20	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	1	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	2	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	3	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	4	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	5	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	6	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	7	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	8	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	9	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	10	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	11	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	12	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	13	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	14	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	15	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	16	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	17	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	18	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	19	1.26
(1,2253)	1:411:A:MET:HB3	1:411:A:MET:HB2	20	1.26
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	10	1.26
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	20	1.26
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	20	1.26
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	20	1.26
(1,2197)	1:419:A:GLY:HA2	1:419:A:GLY:H	19	1.26
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	19	1.26
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	2	1.26
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	12	1.26
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	3	1.26
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	7	1.26
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	5	1.26
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	13	1.26
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	16	1.26
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	4	1.26
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	17	1.26
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	4	1.26
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	6	1.26
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	12	1.26
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	3	1.26
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	8	1.26
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	9	1.26
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	13	1.26
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	14	1.26
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	15	1.26
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	7	1.26
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	4	1.26
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	14	1.26
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	14	1.26
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	14	1.26
(1,816)	1:362:A:VAL:HB	1:361:A:LYS:HA	20	1.26
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	16	1.26
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	20	1.26
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	15	1.26
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	15	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	15	1.26
(1,720)	1:349:A:LEU:HD21	1:349:A:LEU:H	19	1.26
(1,720)	1:349:A:LEU:HD22	1:349:A:LEU:H	19	1.26
(1,720)	1:349:A:LEU:HD23	1:349:A:LEU:H	19	1.26
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	1	1.26
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	6	1.26
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	8	1.26
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	7	1.26
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	11	1.26
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	15	1.26
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	16	1.26
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	12	1.26
(1,589)	1:380:A:GLY:HA2	1:380:A:GLY:H	17	1.26
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	1	1.26
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	9	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	4	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	4	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	4	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	5	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	5	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	5	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	6	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	6	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	6	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	18	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	18	1.26
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	18	1.26
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	3	1.26
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	6	1.26
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	9	1.26
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	10	1.26
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	11	1.26
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	17	1.26
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	4	1.26
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	6	1.26
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	7	1.26
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	9	1.26
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	11	1.26
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	15	1.26
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	18	1.26
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	19	1.26
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	2	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	19	1.26
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	15	1.25
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	1	1.25
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	6	1.25
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	8	1.25
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	3	1.25
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	3	1.25
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	3	1.25
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	7	1.25
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	7	1.25
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	7	1.25
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	5	1.25
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	20	1.25
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	20	1.25
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	20	1.25
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	2	1.25
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	4	1.25
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	9	1.25
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	16	1.25
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	19	1.25
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	2	1.25
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	17	1.25
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	9	1.25
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	9	1.25
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	9	1.25
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	15	1.25
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	15	1.25
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	15	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	2	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	3	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	7	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	9	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	10	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	11	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	14	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	16	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	17	1.25
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	18	1.25
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	4	1.25
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	4	1.25
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	4	1.25
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	5	1.25
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	5	1.25
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	9	1.25
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	9	1.25
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	9	1.25
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	16	1.25
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	16	1.25
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	16	1.25
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	18	1.25
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	18	1.25
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	18	1.25
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	20	1.25
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	20	1.25
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	20	1.25
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	2	1.25
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	6	1.25
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	8	1.25
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	5	1.25
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	7	1.25
(1,2976)	1:357:A:TYR:HA	1:356:A:TYR:HB2	18	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	1	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	2	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	3	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	4	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	5	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	6	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	7	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	8	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	9	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	10	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	11	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	12	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	13	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	14	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	15	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	17	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	18	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	19	1.25
(1,2926)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	20	1.25
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	4	1.25
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	4	1.25
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	4	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	8	1.25
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	8	1.25
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	8	1.25
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	14	1.25
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	14	1.25
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	14	1.25
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	3	1.25
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	1	1.25
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	4	1.25
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	5	1.25
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	8	1.25
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	9	1.25
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	11	1.25
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	13	1.25
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	16	1.25
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	17	1.25
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	18	1.25
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	15	1.25
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	6	1.25
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	6	1.25
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	6	1.25
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	4	1.25
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	7	1.25
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	9	1.25
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	10	1.25
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	12	1.25
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	17	1.25
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	19	1.25
(1,1778)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	5	1.25
(1,1778)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	11	1.25
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	1	1.25
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	19	1.25
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	15	1.25
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	15	1.25
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	15	1.25
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	4	1.25
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	4	1.25
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	4	1.25
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	15	1.25
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	15	1.25
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	15	1.25
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	19	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	19	1.25
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	19	1.25
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	5	1.25
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	17	1.25
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	4	1.25
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	17	1.25
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	20	1.25
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	7	1.25
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	11	1.25
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	13	1.25
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	14	1.25
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	20	1.25
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	7	1.25
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	8	1.25
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	9	1.25
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	10	1.25
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	14	1.25
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	5	1.25
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	18	1.25
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	19	1.25
(1,1133)	1:412:A:PRO:HD2	1:411:A:MET:HA	20	1.25
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	3	1.25
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	8	1.25
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	2	1.25
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	12	1.25
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	3	1.25
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	8	1.25
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	15	1.25
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	4	1.25
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	17	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	2	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	3	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	4	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	5	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	6	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	8	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	9	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	10	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	12	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	13	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	14	1.25
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	17	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:383:A:TYR:HA	1:383:A:TYR:H	20	1.25
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	17	1.25
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	3	1.25
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	18	1.25
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	8	1.25
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	8	1.25
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	8	1.25
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	10	1.25
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	10	1.25
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	10	1.25
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	20	1.25
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	20	1.25
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	20	1.25
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	7	1.25
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	16	1.25
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	18	1.25
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	15	1.25
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	1	1.25
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	2	1.25
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	3	1.25
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	10	1.25
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	16	1.25
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	17	1.25
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	8	1.25
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	8	1.25
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	8	1.25
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	17	1.25
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	17	1.25
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	17	1.25
(1,43)	1:418:A:VAL:HG11	1:419:A:GLY:H	20	1.25
(1,43)	1:418:A:VAL:HG12	1:419:A:GLY:H	20	1.25
(1,43)	1:418:A:VAL:HG13	1:419:A:GLY:H	20	1.25
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	3	1.25
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	4	1.25
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	10	1.25
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	13	1.25
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	17	1.25
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	5	1.24
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	15	1.24
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	6	1.24
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	11	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	11	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	11	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	11	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	12	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	12	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	12	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	13	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	13	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	13	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	14	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	14	1.24
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	14	1.24
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	11	1.24
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	11	1.24
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	11	1.24
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	5	1.24
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	6	1.24
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	10	1.24
(1,3342)	1:385:A:TRP:HD1	1:385:A:TRP:HZ3	19	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	1	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	1	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	1	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	2	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	2	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	2	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	3	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	3	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	3	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	7	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	7	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	7	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	8	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	8	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	8	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	10	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	10	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	10	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	11	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	11	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	11	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	12	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	12	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	12	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	13	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	13	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	13	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	14	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	14	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	14	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	15	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	15	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	15	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	17	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	17	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	17	1.24
(1,3138)	1:354:A:MET:HE1	1:354:A:MET:HB2	19	1.24
(1,3138)	1:354:A:MET:HE2	1:354:A:MET:HB2	19	1.24
(1,3138)	1:354:A:MET:HE3	1:354:A:MET:HB2	19	1.24
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	15	1.24
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	4	1.24
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	3	1.24
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	3	1.24
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	3	1.24
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	10	1.24
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	10	1.24
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	10	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	3	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	3	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	3	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	6	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	6	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	6	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	11	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	11	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	11	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	12	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	12	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	12	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	15	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	15	1.24
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	15	1.24
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	4	1.24
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	5	1.24
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	16	1.24
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	1	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	2	1.24
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	6	1.24
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	7	1.24
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	10	1.24
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	12	1.24
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	6	1.24
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	8	1.24
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	12	1.24
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	14	1.24
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	14	1.24
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	14	1.24
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	2	1.24
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	8	1.24
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	19	1.24
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	2	1.24
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	19	1.24
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	13	1.24
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	3	1.24
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	17	1.24
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	2	1.24
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	6	1.24
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	9	1.24
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	12	1.24
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	16	1.24
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	17	1.24
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	18	1.24
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	11	1.24
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	11	1.24
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	11	1.24
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	20	1.24
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	20	1.24
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	20	1.24
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	8	1.24
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	16	1.24
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	8	1.24
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	5	1.24
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	11	1.24
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	11	1.24
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	11	1.24
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	16	1.24
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	16	1.24
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	16	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	20	1.24
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	20	1.24
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	20	1.24
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	3	1.24
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	4	1.24
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	14	1.24
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	15	1.24
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	14	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	1	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	2	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	3	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	4	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	5	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	6	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	8	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	9	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	10	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	11	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	12	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	13	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	14	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	15	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	16	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	17	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	18	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	19	1.24
(1,1349)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	20	1.24
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	11	1.24
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	15	1.24
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	3	1.24
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	4	1.24
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	8	1.24
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	9	1.24
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	10	1.24
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	15	1.24
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	16	1.24
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	17	1.24
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	1	1.24
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	9	1.24
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	11	1.24
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	16	1.24
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	20	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	12	1.24
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	20	1.24
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	20	1.24
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	20	1.24
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	4	1.24
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	5	1.24
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	10	1.24
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	17	1.24
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	14	1.24
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	19	1.24
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	6	1.24
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	2	1.24
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	6	1.24
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	7	1.24
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	11	1.24
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	20	1.24
(1,323)	1:411:A:MET:HB2	1:411:A:MET:HG2	19	1.24
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	5	1.24
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	8	1.24
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	12	1.24
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	13	1.24
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	14	1.24
(1,272)	1:438:A:GLY:HA3	1:438:A:GLY:H	20	1.24
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	19	1.24
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	19	1.24
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	19	1.24
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	5	1.24
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	11	1.24
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG21	3	1.23
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG22	3	1.23
(1,4213)	1:430:A:GLY:H	1:369:A:VAL:HG23	3	1.23
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	10	1.23
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	10	1.23
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	10	1.23
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	7	1.23
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	10	1.23
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	19	1.23
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	15	1.23
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	14	1.23
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	16	1.23
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	1	1.23
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	1	1.23
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	4	1.23
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	4	1.23
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	4	1.23
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	9	1.23
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	9	1.23
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	9	1.23
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	16	1.23
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	16	1.23
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	16	1.23
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	17	1.23
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	17	1.23
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	17	1.23
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	1	1.23
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	3	1.23
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	7	1.23
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	11	1.23
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	13	1.23
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	14	1.23
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	15	1.23
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	17	1.23
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	14	1.23
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	5	1.23
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	7	1.23
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	11	1.23
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	18	1.23
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	18	1.23
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	18	1.23
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	13	1.23
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	13	1.23
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	13	1.23
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	13	1.23
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	13	1.23
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	13	1.23
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	19	1.23
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	19	1.23
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	19	1.23
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	19	1.23
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	19	1.23
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	19	1.23
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	20	1.23
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	20	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	20	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	1	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	1	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	1	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	2	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	2	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	2	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	4	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	4	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	4	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	5	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	5	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	5	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	7	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	7	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	7	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	8	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	8	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	8	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	10	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	10	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	10	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	13	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	13	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	13	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	16	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	16	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	16	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	17	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	17	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	17	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	20	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	20	1.23
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	20	1.23
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	2	1.23
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	8	1.23
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	13	1.23
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	3	1.23
(1,2433)	1:410:A:TRP:HB3	1:410:A:TRP:H	14	1.23
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	4	1.23
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	4	1.23
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	4	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	11	1.23
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	11	1.23
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	11	1.23
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	12	1.23
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	12	1.23
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	12	1.23
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	15	1.23
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	15	1.23
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	15	1.23
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	17	1.23
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	17	1.23
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	17	1.23
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	18	1.23
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	18	1.23
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	18	1.23
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	19	1.23
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	19	1.23
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	19	1.23
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	18	1.23
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	1	1.23
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	3	1.23
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	14	1.23
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	17	1.23
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	1	1.23
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	7	1.23
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	8	1.23
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	15	1.23
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	5	1.23
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	7	1.23
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	11	1.23
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	6	1.23
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	1	1.23
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	4	1.23
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	8	1.23
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	11	1.23
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	15	1.23
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	20	1.23
(1,1767)	1:421:A:HIS:HB2	1:422:A:ASP:H	14	1.23
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	16	1.23
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	19	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	2	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	2	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	2	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	5	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	5	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	5	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	7	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	7	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	7	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	8	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	8	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	8	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	9	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	9	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	9	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	11	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	11	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	11	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	12	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	12	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	12	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	13	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	13	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	13	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	15	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	15	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	15	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	16	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	16	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	16	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	17	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	17	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	17	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	19	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	19	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	19	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	20	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	20	1.23
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	20	1.23
(1,1550)	1:395:A:GLY:HA3	1:396:A:THR:HB	6	1.23
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	4	1.23
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	19	1.23
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	1	1.23
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	1	1.23
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	10	1.23
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	10	1.23
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	10	1.23
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	16	1.23
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	8	1.23
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	10	1.23
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	20	1.23
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	3	1.23
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	6	1.23
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	9	1.23
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	11	1.23
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	12	1.23
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	15	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	1	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	2	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	3	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	4	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	5	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	6	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	7	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	8	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	9	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	10	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	12	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	13	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	14	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	16	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	17	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	18	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	19	1.23
(1,1302)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	20	1.23
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	1	1.23
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	2	1.23
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	5	1.23
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	7	1.23
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	17	1.23
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	18	1.23
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	19	1.23
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	2	1.23
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	11	1.23
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	13	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	19	1.23
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	15	1.23
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	20	1.23
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	11	1.23
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	11	1.23
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	11	1.23
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	3	1.23
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	9	1.23
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	11	1.23
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	18	1.23
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	15	1.23
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	9	1.23
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	13	1.23
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	14	1.23
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	17	1.23
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	1	1.23
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	12	1.23
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	19	1.23
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	19	1.23
(1,352)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	19	1.23
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	9	1.23
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	16	1.23
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	19	1.23
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	7	1.23
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	7	1.23
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	7	1.23
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	7	1.23
(1,4156)	1:408:A:ASN:H	1:408:A:ASN:HD21	4	1.22
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	2	1.22
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	4	1.22
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	13	1.22
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	4	1.22
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	19	1.22
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	17	1.22
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	17	1.22
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	17	1.22
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	19	1.22
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	19	1.22
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	19	1.22
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	12	1.22
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	1	1.22
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	8	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	9	1.22
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	12	1.22
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	15	1.22
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	18	1.22
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	20	1.22
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	11	1.22
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	11	1.22
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	11	1.22
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	11	1.22
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	11	1.22
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	11	1.22
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	2	1.22
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	1	1.22
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	1	1.22
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	1	1.22
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	11	1.22
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	11	1.22
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	11	1.22
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	19	1.22
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	19	1.22
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	19	1.22
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	7	1.22
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	9	1.22
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	12	1.22
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	15	1.22
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	20	1.22
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	13	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	1	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	1	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	1	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	2	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	2	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	2	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	3	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	3	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	3	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	5	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	5	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	5	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	6	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	6	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	6	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	7	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	7	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	7	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	8	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	8	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	8	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	9	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	9	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	9	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	10	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	10	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	10	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	13	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	13	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	13	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	14	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	14	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	14	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	16	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	16	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	16	1.22
(1,2345)	1:362:A:VAL:HG11	1:363:A:ALA:HA	20	1.22
(1,2345)	1:362:A:VAL:HG12	1:363:A:ALA:HA	20	1.22
(1,2345)	1:362:A:VAL:HG13	1:363:A:ALA:HA	20	1.22
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	1	1.22
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	2	1.22
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	9	1.22
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	13	1.22
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	16	1.22
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	17	1.22
(1,2211)	1:449:A:VAL:HG21	1:366:A:THR:HG1	19	1.22
(1,2211)	1:449:A:VAL:HG22	1:366:A:THR:HG1	19	1.22
(1,2211)	1:449:A:VAL:HG23	1:366:A:THR:HG1	19	1.22
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	6	1.22
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	15	1.22
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	16	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	2	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	3	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	4	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	5	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	9	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	11	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	12	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	14	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	16	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	17	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	18	1.22
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	20	1.22
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	1	1.22
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	8	1.22
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	9	1.22
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	12	1.22
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	15	1.22
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	18	1.22
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	20	1.22
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	3	1.22
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	5	1.22
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	7	1.22
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	10	1.22
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	13	1.22
(1,1887)	1:356:A:TYR:HB3	1:356:A:TYR:H	14	1.22
(1,1778)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	20	1.22
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	4	1.22
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	16	1.22
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	9	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	1	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	1	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	1	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	3	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	3	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	3	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	4	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	4	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	4	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	6	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	6	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	6	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	10	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	10	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	10	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	14	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	14	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	14	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD11	18	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD12	18	1.22
(1,1592)	1:453:A:LEU:HA	1:453:A:LEU:HD13	18	1.22
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	14	1.22
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	14	1.22
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	14	1.22
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	1	1.22
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	2	1.22
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	4	1.22
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	12	1.22
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	2	1.22
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	7	1.22
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	10	1.22
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	19	1.22
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	6	1.22
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	5	1.22
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	18	1.22
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	20	1.22
(1,1142)	1:373:A:PRO:HB2	1:374:A:THR:H	14	1.22
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	9	1.22
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	14	1.22
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	15	1.22
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	13	1.22
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	13	1.22
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	15	1.22
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	15	1.22
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	4	1.22
(1,664)	1:378:A:PRO:HD3	1:377:A:THR:HA	11	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	1	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	2	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	3	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	4	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	5	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	6	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	7	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	8	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	9	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	10	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	13	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	14	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	18	1.22
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	19	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	8	1.22
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	5	1.22
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	4	1.22
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	5	1.22
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	8	1.22
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	10	1.22
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	13	1.22
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	15	1.22
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	17	1.22
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	2	1.22
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	2	1.22
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	2	1.22
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	5	1.22
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	5	1.22
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	5	1.22
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	15	1.22
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	15	1.22
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	15	1.22
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	17	1.22
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	2	1.22
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	7	1.22
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	10	1.22
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	11	1.22
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	12	1.22
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	1	1.22
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	16	1.22
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	3	1.21
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	8	1.21
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	9	1.21
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	14	1.21
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	18	1.21
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	2	1.21
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	19	1.21
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	1	1.21
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	7	1.21
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	12	1.21
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	15	1.21
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	20	1.21
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	2	1.21
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	3	1.21
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	6	1.21
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	6	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	6	1.21
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	6	1.21
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	9	1.21
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	3	1.21
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	3	1.21
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	3	1.21
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	11	1.21
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	19	1.21
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	19	1.21
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	19	1.21
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	9	1.21
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	9	1.21
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	9	1.21
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	3	1.21
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	6	1.21
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	14	1.21
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	17	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	6	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	10	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	11	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	12	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	13	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	16	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	17	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	18	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	19	1.21
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	20	1.21
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	3	1.21
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	20	1.21
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	1	1.21
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	1	1.21
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	1	1.21
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	5	1.21
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	5	1.21
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	5	1.21
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	12	1.21
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	12	1.21
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	12	1.21
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	20	1.21
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	20	1.21
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	20	1.21
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	11	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	12	1.21
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	18	1.21
(1,2118)	1:340:A:MET:HB3	1:341:A:GLU:H	13	1.21
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	6	1.21
(1,2067)	1:357:A:TYR:HB2	1:357:A:TYR:H	19	1.21
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	16	1.21
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	2	1.21
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	3	1.21
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	6	1.21
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	13	1.21
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	13	1.21
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	13	1.21
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	13	1.21
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	5	1.21
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	10	1.21
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	11	1.21
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	20	1.21
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	4	1.21
(1,1616)	1:387:A:LYS:HE2	1:387:A:LYS:HB2	7	1.21
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	2	1.21
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	2	1.21
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	2	1.21
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	5	1.21
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	5	1.21
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	5	1.21
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	13	1.21
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	13	1.21
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	13	1.21
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	18	1.21
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	18	1.21
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	18	1.21
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	10	1.21
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	13	1.21
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	18	1.21
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	13	1.21
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	8	1.21
(1,1155)	1:406:A:PRO:HB3	1:405:A:SER:HA	12	1.21
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	16	1.21
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	5	1.21
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	5	1.21
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	20	1.21
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	20	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	2	1.21
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	2	1.21
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	2	1.21
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	12	1.21
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	12	1.21
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	12	1.21
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	6	1.21
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	2	1.21
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	11	1.21
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	12	1.21
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	16	1.21
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	17	1.21
(1,642)	1:349:A:LEU:HB3	1:349:A:LEU:HG	20	1.21
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	18	1.21
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	8	1.21
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	12	1.21
(1,521)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	20	1.21
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	3	1.21
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	14	1.21
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	16	1.21
(1,377)	1:340:A:MET:HB3	1:341:A:GLU:HA	4	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	1	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	1	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	1	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	3	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	3	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	3	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	6	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	6	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	6	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	13	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	13	1.21
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	13	1.21
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	6	1.21
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	8	1.21
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	4	1.21
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	20	1.21
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	1	1.21
(1,4160)	1:426:A:GLN:HE21	1:428:A:GLU:HB2	13	1.2
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	16	1.2
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	3	1.2
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	20	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	8	1.2
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	10	1.2
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	18	1.2
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	20	1.2
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	20	1.2
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	20	1.2
(1,3647)	1:454:A:PHE:H	1:457:A:VAL:HB	20	1.2
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	18	1.2
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	18	1.2
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	18	1.2
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	4	1.2
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	13	1.2
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	14	1.2
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	16	1.2
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	20	1.2
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	20	1.2
(1,3329)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	20	1.2
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	20	1.2
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	20	1.2
(1,3329)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	20	1.2
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	11	1.2
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	11	1.2
(1,3141)	1:429:A:TYR:HB3	1:429:A:TYR:HA	9	1.2
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	19	1.2
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	17	1.2
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	17	1.2
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	17	1.2
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	3	1.2
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	13	1.2
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	4	1.2
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	8	1.2
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	14	1.2
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	16	1.2
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	17	1.2
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	17	1.2
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	17	1.2
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG11	18	1.2
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG12	18	1.2
(1,2614)	1:453:A:LEU:HG	1:457:A:VAL:HG13	18	1.2
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	1	1.2
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	10	1.2
(1,2561)	1:383:A:TYR:HB2	1:383:A:TYR:HA	11	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	1	1.2
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	2	1.2
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	3	1.2
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	4	1.2
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	5	1.2
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	7	1.2
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	8	1.2
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	9	1.2
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	14	1.2
(1,2338)	1:354:A:MET:HB2	1:354:A:MET:HG3	15	1.2
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	7	1.2
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	11	1.2
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	17	1.2
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	17	1.2
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	17	1.2
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	13	1.2
(1,2136)	1:358:A:LYS:HD3	1:358:A:LYS:HA	16	1.2
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	4	1.2
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	13	1.2
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	14	1.2
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	16	1.2
(1,1921)	1:412:A:PRO:HD3	1:411:A:MET:HA	5	1.2
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	1	1.2
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	8	1.2
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	15	1.2
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	19	1.2
(1,1725)	1:340:A:MET:HG3	1:340:A:MET:H	15	1.2
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	3	1.2
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	6	1.2
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	11	1.2
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	17	1.2
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	19	1.2
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	19	1.2
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	19	1.2
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	7	1.2
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	7	1.2
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	7	1.2
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	9	1.2
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	9	1.2
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	9	1.2
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	18	1.2
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	5	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	11	1.2
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	19	1.2
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	2	1.2
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	6	1.2
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	9	1.2
(1,1259)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	10	1.2
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	15	1.2
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	3	1.2
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	19	1.2
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	9	1.2
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	9	1.2
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	19	1.2
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	19	1.2
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	5	1.2
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	5	1.2
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	5	1.2
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	9	1.2
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	9	1.2
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	9	1.2
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	17	1.2
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	17	1.2
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	17	1.2
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	18	1.2
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	18	1.2
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	18	1.2
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	7	1.2
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	13	1.2
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	10	1.2
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	12	1.2
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	20	1.2
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	2	1.2
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	6	1.2
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	8	1.2
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	3	1.2
(1,488)	1:368:A:ILE:HA	1:369:A:VAL:H	19	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	4	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	4	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	4	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	7	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	7	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	7	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	8	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	8	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	8	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	9	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	9	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	9	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	14	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	14	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	14	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	18	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	18	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	18	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	19	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	19	1.2
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	19	1.2
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	1	1.2
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	7	1.2
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	20	1.19
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	13	1.19
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	1	1.19
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	2	1.19
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	7	1.19
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	12	1.19
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	5	1.19
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	17	1.19
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD21	16	1.19
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD22	16	1.19
(1,3722)	1:366:A:THR:H	1:364:A:LEU:HD23	16	1.19
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	2	1.19
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	5	1.19
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	5	1.19
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	5	1.19
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	19	1.19
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	19	1.19
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	19	1.19
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	5	1.19
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	5	1.19
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	5	1.19
(1,3459)	1:355:A:TRP:HZ3	1:348:A:ASP:HB2	10	1.19
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG11	19	1.19
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG12	19	1.19
(1,3290)	1:355:A:TRP:HZ3	1:362:A:VAL:HG13	19	1.19
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	2	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	5	1.19
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	7	1.19
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	9	1.19
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	10	1.19
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	13	1.19
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	18	1.19
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	18	1.19
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	18	1.19
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	18	1.19
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	3	1.19
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	9	1.19
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	3	1.19
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	6	1.19
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	10	1.19
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	12	1.19
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	1	1.19
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	4	1.19
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	5	1.19
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	14	1.19
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	3	1.19
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	6	1.19
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	6	1.19
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	6	1.19
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	13	1.19
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	13	1.19
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	13	1.19
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	16	1.19
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	16	1.19
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	16	1.19
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	18	1.19
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	18	1.19
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	18	1.19
(1,1965)	1:348:A:ASP:HB2	1:355:A:TRP:HZ3	10	1.19
(1,1778)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	4	1.19
(1,1778)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	10	1.19
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	2	1.19
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	9	1.19
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	12	1.19
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	13	1.19
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	18	1.19
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	5	1.19
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	20	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	2	1.19
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	3	1.19
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	17	1.19
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	19	1.19
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	12	1.19
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	12	1.19
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	12	1.19
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	19	1.19
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	20	1.19
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	13	1.19
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	7	1.19
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	14	1.19
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	11	1.19
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	3	1.19
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	15	1.19
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	17	1.19
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	19	1.19
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	16	1.19
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	13	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	2	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	2	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	3	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	3	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	4	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	4	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	11	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	11	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	14	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	14	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	16	1.19
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	16	1.19
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	6	1.19
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	6	1.19
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	6	1.19
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	14	1.19
(1,805)	1:444:A:ASN:HA	1:445:A:THR:H	19	1.19
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	7	1.19
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	9	1.19
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	11	1.19
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	16	1.19
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	19	1.19
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	15	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	2	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	3	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	4	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	6	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	8	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	10	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	11	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	12	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	13	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	14	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	16	1.19
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	17	1.19
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	20	1.19
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	10	1.19
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	10	1.19
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	10	1.19
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	20	1.19
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	20	1.19
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	20	1.19
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	9	1.19
(1,181)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	1	1.19
(1,181)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	1	1.19
(1,181)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	1	1.19
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	4	1.18
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	4	1.18
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	4	1.18
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	11	1.18
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	12	1.18
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	19	1.18
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	13	1.18
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	16	1.18
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	6	1.18
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	9	1.18
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	17	1.18
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	2	1.18
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	4	1.18
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	11	1.18
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	4	1.18
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	4	1.18
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	4	1.18
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	20	1.18
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	20	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	1	1.18
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	3	1.18
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	4	1.18
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	6	1.18
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	8	1.18
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	12	1.18
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	14	1.18
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	15	1.18
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	16	1.18
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	20	1.18
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	9	1.18
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	9	1.18
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	14	1.18
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	7	1.18
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	2	1.18
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	2	1.18
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	2	1.18
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	10	1.18
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	10	1.18
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	10	1.18
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	18	1.18
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	7	1.18
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	9	1.18
(1,2654)	1:411:A:MET:HE1	1:463:A:VAL:HA	7	1.18
(1,2654)	1:411:A:MET:HE2	1:463:A:VAL:HA	7	1.18
(1,2654)	1:411:A:MET:HE3	1:463:A:VAL:HA	7	1.18
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	2	1.18
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	1	1.18
(1,2220)	1:415:A:TRP:HB2	1:415:A:TRP:HE3	4	1.18
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	3	1.18
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	3	1.18
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	3	1.18
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	8	1.18
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	8	1.18
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	8	1.18
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	10	1.18
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	10	1.18
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	10	1.18
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	11	1.18
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	11	1.18
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	11	1.18
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	14	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	14	1.18
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	14	1.18
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	17	1.18
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	17	1.18
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	17	1.18
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	19	1.18
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	19	1.18
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	19	1.18
(1,1778)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	2	1.18
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	1	1.18
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	1	1.18
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	1	1.18
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	17	1.18
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	11	1.18
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	18	1.18
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	4	1.18
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	8	1.18
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	12	1.18
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	19	1.18
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	19	1.18
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	19	1.18
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	20	1.18
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	11	1.18
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	20	1.18
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	6	1.18
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	10	1.18
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	17	1.18
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	6	1.18
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	8	1.18
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	15	1.18
(1,1351)	1:461:A:THR:HB	1:461:A:THR:H	18	1.18
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	7	1.18
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	8	1.18
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	13	1.18
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	14	1.18
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	14	1.18
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	1	1.18
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	3	1.18
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	5	1.18
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	6	1.18
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	9	1.18
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	10	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	11	1.18
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	12	1.18
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	15	1.18
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	18	1.18
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	10	1.18
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	11	1.18
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	10	1.18
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	10	1.18
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	12	1.18
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	12	1.18
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	1	1.18
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	1	1.18
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	1	1.18
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	3	1.18
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	3	1.18
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	3	1.18
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	7	1.18
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	7	1.18
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	7	1.18
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	15	1.18
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	15	1.18
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	15	1.18
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	13	1.18
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	14	1.18
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	17	1.18
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	18	1.18
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	19	1.18
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	9	1.18
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	1	1.18
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	7	1.18
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	9	1.18
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	15	1.18
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	18	1.18
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	19	1.18
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	13	1.18
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	13	1.18
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	15	1.18
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	11	1.18
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	11	1.18
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	11	1.18
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	16	1.18
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	16	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	16	1.18
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	3	1.18
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	14	1.18
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	15	1.18
(1,26)	1:444:A:ASN:HA	1:443:A:ILE:HB	14	1.18
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	17	1.17
(1,3952)	1:444:A:ASN:H	1:369:A:VAL:H	19	1.17
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	18	1.17
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	13	1.17
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	19	1.17
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	12	1.17
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	12	1.17
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	12	1.17
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	11	1.17
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	17	1.17
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	19	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	2	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	2	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	3	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	3	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	4	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	4	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	8	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	8	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	15	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	15	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	16	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	16	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	17	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	17	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	20	1.17
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	20	1.17
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	4	1.17
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	11	1.17
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	12	1.17
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	17	1.17
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	18	1.17
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	19	1.17
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	17	1.17
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	8	1.17
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	15	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	2	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	3	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	6	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	7	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	8	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	10	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	11	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	12	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	13	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	15	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	16	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	18	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	19	1.17
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	20	1.17
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	19	1.17
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	19	1.17
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	19	1.17
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	3	1.17
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	19	1.17
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	5	1.17
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	13	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	1	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	3	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	6	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	7	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	8	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	10	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	12	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	13	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	16	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	18	1.17
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	19	1.17
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	8	1.17
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	14	1.17
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	5	1.17
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	5	1.17
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	5	1.17
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	3	1.17
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	4	1.17
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	5	1.17
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	9	1.17
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	14	1.17
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	7	1.17
(1,1395)	1:441:A:GLY:HA3	1:441:A:GLY:H	14	1.17
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	4	1.17
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	9	1.17
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	13	1.17
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	20	1.17
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	4	1.17
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	5	1.17
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	12	1.17
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	16	1.17
(1,1145)	1:352:A:GLN:HA	1:352:A:GLN:HB3	16	1.17
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	2	1.17
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	4	1.17
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	7	1.17
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	8	1.17
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	14	1.17
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	17	1.17
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	20	1.17
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	6	1.17
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	6	1.17
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	6	1.17
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	8	1.17
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	8	1.17
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	17	1.17
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	17	1.17
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	18	1.17
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	18	1.17
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	8	1.17
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	8	1.17
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	8	1.17
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	10	1.17
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	10	1.17
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	10	1.17
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	13	1.17
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	13	1.17
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	13	1.17
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	1	1.17
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	3	1.17
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	12	1.17
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	16	1.17
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	2	1.17
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	6	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	10	1.17
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	17	1.17
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	20	1.17
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	19	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	2	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	3	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	5	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	6	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	8	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	9	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	10	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	11	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	13	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	15	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	17	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	18	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	19	1.17
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	20	1.17
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	5	1.17
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	20	1.17
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	2	1.17
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	11	1.17
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	12	1.17
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	16	1.17
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	17	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	1	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	2	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	3	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	4	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	6	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	8	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	9	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	11	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	12	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	14	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	15	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	16	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	17	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	18	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	19	1.17
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	20	1.17
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	17	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	17	1.17
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	17	1.17
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	8	1.17
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	11	1.16
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	10	1.16
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	9	1.16
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	12	1.16
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	5	1.16
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	9	1.16
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	16	1.16
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	2	1.16
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	2	1.16
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	2	1.16
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG11	19	1.16
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG12	19	1.16
(1,3633)	1:387:A:LYS:H	1:384:A:VAL:HG13	19	1.16
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	17	1.16
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	17	1.16
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	17	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	1	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	3	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	4	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	5	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	6	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	7	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	9	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	10	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	11	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	12	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	13	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	14	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	15	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	16	1.16
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	17	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	1	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	1	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	10	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	10	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	12	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	12	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	13	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	13	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	19	1.16
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	19	1.16
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	16	1.16
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	4	1.16
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	4	1.16
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	4	1.16
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	13	1.16
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	13	1.16
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	13	1.16
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	14	1.16
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	19	1.16
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	5	1.16
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	15	1.16
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	17	1.16
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	17	1.16
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	17	1.16
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	4	1.16
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	17	1.16
(1,2519)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	12	1.16
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	4	1.16
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	5	1.16
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	9	1.16
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	14	1.16
(1,2484)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	17	1.16
(1,2248)	1:387:A:LYS:HB3	1:387:A:LYS:HD2	16	1.16
(1,2231)	1:388:A:GLU:HA	1:389:A:GLU:H	19	1.16
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	4	1.16
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	4	1.16
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	4	1.16
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	15	1.16
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	15	1.16
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	15	1.16
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	7	1.16
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	9	1.16
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	19	1.16
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	18	1.16
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	18	1.16
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	18	1.16
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	5	1.16
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	5	1.16
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	5	1.16
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	18	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	18	1.16
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	18	1.16
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	19	1.16
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	19	1.16
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	19	1.16
(1,1728)	1:444:A:ASN:HA	1:444:A:ASN:HB3	6	1.16
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	7	1.16
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	1	1.16
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	2	1.16
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	4	1.16
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	5	1.16
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	9	1.16
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	14	1.16
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	15	1.16
(1,1552)	1:394:A:LYS:HB2	1:394:A:LYS:H	17	1.16
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	1	1.16
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	9	1.16
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	20	1.16
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	11	1.16
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	11	1.16
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	11	1.16
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	18	1.16
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	18	1.16
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	18	1.16
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	3	1.16
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	3	1.16
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	3	1.16
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	17	1.16
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	17	1.16
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	17	1.16
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	9	1.16
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	2	1.16
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	8	1.16
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	12	1.16
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	15	1.16
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	2	1.16
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	3	1.16
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	5	1.16
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	10	1.16
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	18	1.16
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	2	1.16
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	4	1.16
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	5	1.16
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	15	1.16
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	18	1.16
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	1	1.16
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	2	1.16
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	1	1.16
(1,1131)	1:368:A:ILE:HA	1:368:A:ILE:HB	16	1.16
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	3	1.16
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	7	1.16
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	7	1.16
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	13	1.16
(1,783)	1:426:A:GLN:HA	1:427:A:PRO:HD2	5	1.16
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	9	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	1	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	4	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	5	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	7	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	8	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	9	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	11	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	12	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	13	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	14	1.16
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	16	1.16
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	11	1.16
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	1	1.16
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	4	1.16
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	7	1.16
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	12	1.16
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	14	1.16
(1,678)	1:451:A:LYS:HB2	1:450:A:MET:HA	16	1.16
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	2	1.16
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	6	1.16
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	11	1.16
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	13	1.16
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	20	1.16
(1,621)	1:361:A:LYS:HD3	1:361:A:LYS:HA	5	1.16
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	4	1.16
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	12	1.16
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	6	1.16
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD21	11	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD22	11	1.16
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD23	11	1.16
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	8	1.16
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	9	1.16
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	5	1.16
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	7	1.16
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	10	1.16
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	12	1.16
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	12	1.16
(1,362)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	12	1.16
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	2	1.16
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	18	1.16
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	5	1.16
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	1	1.16
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	14	1.16
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	3	1.15
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	6	1.15
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	18	1.15
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	20	1.15
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	1	1.15
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	3	1.15
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	16	1.15
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	16	1.15
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	16	1.15
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	7	1.15
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	7	1.15
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	7	1.15
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	16	1.15
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	16	1.15
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	16	1.15
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	20	1.15
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	20	1.15
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	20	1.15
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	16	1.15
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	16	1.15
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	16	1.15
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	9	1.15
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	9	1.15
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	7	1.15
(1,3128)	1:354:A:MET:HB2	1:354:A:MET:HA	19	1.15
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	2	1.15
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	8	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	18	1.15
(1,3045)	1:444:A:ASN:HA	1:444:A:ASN:H	20	1.15
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	19	1.15
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	5	1.15
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	5	1.15
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	6	1.15
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	6	1.15
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	7	1.15
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	7	1.15
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	11	1.15
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	11	1.15
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	14	1.15
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	14	1.15
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	2	1.15
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	3	1.15
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	6	1.15
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	8	1.15
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	9	1.15
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	14	1.15
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	16	1.15
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	20	1.15
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	20	1.15
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	11	1.15
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	11	1.15
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	11	1.15
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	17	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	3	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	5	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	6	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	7	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	8	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	10	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	11	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	13	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	15	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	16	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	17	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	18	1.15
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	20	1.15
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	7	1.15
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	10	1.15
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	20	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	1:415:A:TRP:HB2	1:415:A:TRP:HE3	14	1.15
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	17	1.15
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	9	1.15
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	9	1.15
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	9	1.15
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	10	1.15
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	10	1.15
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	10	1.15
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	16	1.15
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	16	1.15
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	16	1.15
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	4	1.15
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	4	1.15
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	4	1.15
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	3	1.15
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	3	1.15
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	3	1.15
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	15	1.15
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	5	1.15
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	7	1.15
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	10	1.15
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	11	1.15
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	16	1.15
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	4	1.15
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	15	1.15
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	17	1.15
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	17	1.15
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	17	1.15
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	2	1.15
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	20	1.15
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	20	1.15
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	20	1.15
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	11	1.15
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	4	1.15
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	7	1.15
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	9	1.15
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	10	1.15
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	18	1.15
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	7	1.15
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	1	1.15
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	9	1.15
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	10	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	17	1.15
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	15	1.15
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	7	1.15
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	19	1.15
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	16	1.15
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	16	1.15
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	16	1.15
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	14	1.15
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	15	1.15
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	20	1.15
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	3	1.15
(1,702)	1:456:A:MET:HG2	1:456:A:MET:H	15	1.15
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	3	1.15
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	4	1.15
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	9	1.15
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	10	1.15
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	15	1.15
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	16	1.15
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	14	1.15
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	20	1.15
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	1	1.15
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	10	1.15
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	11	1.15
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	16	1.15
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	19	1.15
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	19	1.15
(1,371)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	13	1.15
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	17	1.15
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	3	1.15
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	3	1.15
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	6	1.15
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	7	1.15
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	8	1.15
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	9	1.15
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	12	1.15
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	15	1.15
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	17	1.15
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	13	1.14
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	4	1.14
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	12	1.14
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	5	1.14
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	17	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	18	1.14
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	12	1.14
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	12	1.14
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	12	1.14
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	3	1.14
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	15	1.14
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	1	1.14
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	4	1.14
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	2	1.14
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	2	1.14
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	4	1.14
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	4	1.14
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	5	1.14
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	5	1.14
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	7	1.14
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	7	1.14
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	18	1.14
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	18	1.14
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	18	1.14
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	18	1.14
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	1	1.14
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	4	1.14
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	7	1.14
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	10	1.14
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	13	1.14
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	15	1.14
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	18	1.14
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	12	1.14
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	12	1.14
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	12	1.14
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	8	1.14
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	8	1.14
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	8	1.14
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	14	1.14
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	14	1.14
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	14	1.14
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	15	1.14
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	15	1.14
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	15	1.14
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	1	1.14
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	2	1.14
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	4	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	9	1.14
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	12	1.14
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	14	1.14
(1,2583)	1:351:A:ASN:HB3	1:351:A:ASN:HB2	19	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	1	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	2	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	3	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	4	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	5	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	6	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	7	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	8	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	9	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	10	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	11	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	12	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	13	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	14	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	15	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	16	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	17	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	18	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	19	1.14
(1,2573)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	20	1.14
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	12	1.14
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	12	1.14
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	13	1.14
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	6	1.14
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	15	1.14
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	6	1.14
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	2	1.14
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	2	1.14
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	2	1.14
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	4	1.14
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	5	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	2	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	2	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	2	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	4	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	4	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	4	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	5	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	5	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	5	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	8	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	8	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	8	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	13	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	13	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	13	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	18	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	18	1.14
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	18	1.14
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	6	1.14
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	6	1.14
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	6	1.14
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	11	1.14
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	11	1.14
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	11	1.14
(1,1914)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	3	1.14
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	9	1.14
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	9	1.14
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	9	1.14
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	11	1.14
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	11	1.14
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	11	1.14
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	12	1.14
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	12	1.14
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	12	1.14
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	13	1.14
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	13	1.14
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	13	1.14
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	20	1.14
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	20	1.14
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	20	1.14
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	13	1.14
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	1	1.14
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	14	1.14
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	8	1.14
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	19	1.14
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	3	1.14
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	6	1.14
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	7	1.14
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	13	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	2	1.14
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	8	1.14
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	19	1.14
(1,1356)	1:354:A:MET:HA	1:347:A:VAL:HA	1	1.14
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	6	1.14
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	8	1.14
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	12	1.14
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	14	1.14
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	16	1.14
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	1	1.14
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	5	1.14
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	14	1.14
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	15	1.14
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	10	1.14
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	17	1.14
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	1	1.14
(1,996)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	1	1.14
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	19	1.14
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	19	1.14
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	19	1.14
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	5	1.14
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	18	1.14
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	1	1.14
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	7	1.14
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	8	1.14
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	12	1.14
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	14	1.14
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	17	1.14
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	5	1.14
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	7	1.14
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	2	1.14
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	4	1.14
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	5	1.14
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	7	1.14
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	9	1.14
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	10	1.14
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	18	1.14
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD21	5	1.14
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD22	5	1.14
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD23	5	1.14
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	5	1.14
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	6	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	7	1.14
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	10	1.14
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	10	1.14
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	10	1.14
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	6	1.14
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	13	1.14
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	2	1.14
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	3	1.14
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	7	1.14
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	1	1.14
(1,62)	1:340:A:MET:HB2	1:340:A:MET:H	15	1.14
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	19	1.14
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	3	1.14
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	3	1.14
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	3	1.14
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	17	1.14
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	17	1.14
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	17	1.14
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	5	1.13
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	10	1.13
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	11	1.13
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	10	1.13
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	14	1.13
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	8	1.13
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	8	1.13
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	8	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	1	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	2	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	3	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	5	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	6	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	8	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	9	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	10	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	14	1.13
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	15	1.13
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	11	1.13
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	11	1.13
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	11	1.13
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	10	1.13
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	10	1.13
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	4	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	8	1.13
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	5	1.13
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	5	1.13
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	5	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	2	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	3	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	5	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	6	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	7	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	8	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	9	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	10	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	11	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	12	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	13	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	14	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	15	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	16	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	17	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	18	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	19	1.13
(1,2995)	1:462:A:PRO:HB3	1:462:A:PRO:HA	20	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	6	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	6	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	8	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	8	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	10	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	10	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	11	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	11	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	12	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	12	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	13	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	13	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	14	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	14	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	15	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	15	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	17	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	17	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	19	1.13
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	15	1.13
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	15	1.13
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	15	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	2	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	2	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	2	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	5	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	5	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	5	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	7	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	7	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	7	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	8	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	8	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	8	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	9	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	9	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	9	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	11	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	11	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	11	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	12	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	12	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	12	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	13	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	13	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	13	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	15	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	15	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	15	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	16	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	16	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	16	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	17	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	17	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	17	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	19	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	19	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	19	1.13
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	20	1.13
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	20	1.13
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	20	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2832)	1:354:A:MET:HA	1:354:A:MET:HG2	5	1.13
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	8	1.13
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	8	1.13
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	8	1.13
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	20	1.13
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	20	1.13
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	20	1.13
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	1	1.13
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	2	1.13
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	3	1.13
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	3	1.13
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	3	1.13
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	4	1.13
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	4	1.13
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	4	1.13
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	5	1.13
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	5	1.13
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	5	1.13
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	6	1.13
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	6	1.13
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	6	1.13
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	7	1.13
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	7	1.13
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	7	1.13
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	10	1.13
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	10	1.13
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	10	1.13
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	16	1.13
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	16	1.13
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	16	1.13
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	19	1.13
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	19	1.13
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	19	1.13
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	20	1.13
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	20	1.13
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	20	1.13
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	10	1.13
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	13	1.13
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	1	1.13
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	14	1.13
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	18	1.13
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	20	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	9	1.13
(1,2536)	1:433:A:LEU:HB2	1:434:A:TRP:H	14	1.13
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	7	1.13
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	11	1.13
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	19	1.13
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	5	1.13
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	11	1.13
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	9	1.13
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	2	1.13
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	8	1.13
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	13	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	1	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	1	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	1	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	3	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	3	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	3	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	7	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	7	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	7	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	12	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	12	1.13
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	12	1.13
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	10	1.13
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	10	1.13
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	10	1.13
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	2	1.13
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	2	1.13
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	2	1.13
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	5	1.13
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	5	1.13
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	5	1.13
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	10	1.13
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	10	1.13
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	10	1.13
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	2	1.13
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	2	1.13
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	2	1.13
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	6	1.13
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	6	1.13
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	6	1.13
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	10	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	10	1.13
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	10	1.13
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	14	1.13
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	14	1.13
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	14	1.13
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	15	1.13
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	15	1.13
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	15	1.13
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	17	1.13
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	17	1.13
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	17	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	1	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	4	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	6	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	7	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	8	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	11	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	13	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	14	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	17	1.13
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	18	1.13
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	3	1.13
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	10	1.13
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	11	1.13
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	18	1.13
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	20	1.13
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	15	1.13
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	18	1.13
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	20	1.13
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	11	1.13
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	11	1.13
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	11	1.13
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	2	1.13
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	2	1.13
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	2	1.13
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	13	1.13
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	13	1.13
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	13	1.13
(1,1410)	1:407:A:VAL:HG21	1:421:A:HIS:HD1	6	1.13
(1,1410)	1:407:A:VAL:HG22	1:421:A:HIS:HD1	6	1.13
(1,1410)	1:407:A:VAL:HG23	1:421:A:HIS:HD1	6	1.13
(1,1401)	1:381:A:VAL:HA	1:382:A:PHE:H	20	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	1	1.13
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	3	1.13
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	14	1.13
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	17	1.13
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	10	1.13
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	13	1.13
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	19	1.13
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	14	1.13
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	14	1.13
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	14	1.13
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	5	1.13
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	3	1.13
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	12	1.13
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	10	1.13
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	13	1.13
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	2	1.13
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	4	1.13
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	10	1.13
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	17	1.13
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	6	1.13
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	19	1.13
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	1	1.13
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	3	1.13
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	8	1.13
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	13	1.13
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	14	1.13
(1,588)	1:355:A:TRP:HB3	1:355:A:TRP:HD1	15	1.13
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD21	16	1.13
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD22	16	1.13
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD23	16	1.13
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD21	19	1.13
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD22	19	1.13
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD23	19	1.13
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	9	1.13
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	16	1.13
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	19	1.13
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	2	1.13
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	10	1.13
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	13	1.13
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	16	1.13
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	18	1.13
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	2	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	2	1.13
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	2	1.13
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	4	1.13
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	4	1.13
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	4	1.13
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	10	1.13
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	10	1.13
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	10	1.13
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	8	1.12
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	16	1.12
(1,3767)	1:433:A:LEU:H	1:434:A:TRP:H	13	1.12
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	6	1.12
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	6	1.12
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	6	1.12
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	7	1.12
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	7	1.12
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	7	1.12
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	18	1.12
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	18	1.12
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	18	1.12
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	6	1.12
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	6	1.12
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	6	1.12
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	4	1.12
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	7	1.12
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	11	1.12
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	12	1.12
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	13	1.12
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	17	1.12
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	18	1.12
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	20	1.12
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	1	1.12
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	10	1.12
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	11	1.12
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	16	1.12
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	20	1.12
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	7	1.12
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	1	1.12
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	1	1.12
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	3	1.12
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	3	1.12
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	16	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	16	1.12
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	20	1.12
(1,2960)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	20	1.12
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	5	1.12
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	5	1.12
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	5	1.12
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	6	1.12
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	6	1.12
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	6	1.12
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	12	1.12
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	1	1.12
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	1	1.12
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	1	1.12
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	3	1.12
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	3	1.12
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	3	1.12
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	4	1.12
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	4	1.12
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	4	1.12
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	6	1.12
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	6	1.12
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	6	1.12
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	10	1.12
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	10	1.12
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	10	1.12
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	14	1.12
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	14	1.12
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	14	1.12
(1,2882)	1:453:A:LEU:HD11	1:453:A:LEU:HA	18	1.12
(1,2882)	1:453:A:LEU:HD12	1:453:A:LEU:HA	18	1.12
(1,2882)	1:453:A:LEU:HD13	1:453:A:LEU:HA	18	1.12
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	2	1.12
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	15	1.12
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	15	1.12
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	15	1.12
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	13	1.12
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	1	1.12
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	1	1.12
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	1	1.12
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	2	1.12
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	2	1.12
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	2	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	12	1.12
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	12	1.12
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	12	1.12
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	3	1.12
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	9	1.12
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	11	1.12
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	12	1.12
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	3	1.12
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	16	1.12
(1,2490)	1:372:A:LYS:HE2	1:372:A:LYS:HB3	8	1.12
(1,2490)	1:372:A:LYS:HE2	1:372:A:LYS:HB3	20	1.12
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	8	1.12
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	17	1.12
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	8	1.12
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	9	1.12
(1,2220)	1:415:A:TRP:HB2	1:415:A:TRP:HE3	2	1.12
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	7	1.12
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	9	1.12
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	12	1.12
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	15	1.12
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	20	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	6	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	6	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	6	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	9	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	9	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	9	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	15	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	15	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	15	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	16	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	16	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	16	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	17	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	17	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	17	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	20	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	20	1.12
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	20	1.12
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	1	1.12
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	1	1.12
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	1	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	4	1.12
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	4	1.12
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	4	1.12
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	7	1.12
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	7	1.12
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	7	1.12
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	8	1.12
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	8	1.12
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	8	1.12
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	12	1.12
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	12	1.12
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	12	1.12
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	14	1.12
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	14	1.12
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	14	1.12
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	20	1.12
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	20	1.12
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	20	1.12
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	15	1.12
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	6	1.12
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	6	1.12
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	6	1.12
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	16	1.12
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	16	1.12
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	16	1.12
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	4	1.12
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	4	1.12
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	4	1.12
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	7	1.12
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	7	1.12
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	7	1.12
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	8	1.12
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	8	1.12
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	8	1.12
(1,1772)	1:384:A:VAL:HG11	1:384:A:VAL:H	16	1.12
(1,1772)	1:384:A:VAL:HG12	1:384:A:VAL:H	16	1.12
(1,1772)	1:384:A:VAL:HG13	1:384:A:VAL:H	16	1.12
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	2	1.12
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	3	1.12
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	9	1.12
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	10	1.12
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	12	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	16	1.12
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	13	1.12
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	15	1.12
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	5	1.12
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	14	1.12
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	19	1.12
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	12	1.12
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	12	1.12
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	13	1.12
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	16	1.12
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	4	1.12
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	4	1.12
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	4	1.12
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	16	1.12
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	16	1.12
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	16	1.12
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	6	1.12
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	15	1.12
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	1	1.12
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	5	1.12
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	14	1.12
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	16	1.12
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	18	1.12
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	2	1.12
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	5	1.12
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	10	1.12
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	10	1.12
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	10	1.12
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	4	1.12
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	6	1.12
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	9	1.12
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	17	1.12
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	19	1.12
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	6	1.12
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	1	1.12
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	19	1.12
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	12	1.12
(1,633)	1:459:A:LYS:HA	1:460:A:GLY:H	18	1.12
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	18	1.12
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	11	1.12
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	19	1.12
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	10	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	12	1.12
(1,189)	1:426:A:GLN:HA	1:427:A:PRO:HD3	18	1.12
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	2	1.12
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	7	1.12
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	10	1.12
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	11	1.12
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	12	1.12
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	1	1.11
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	6	1.11
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	11	1.11
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	2	1.11
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	7	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	4	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	4	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	4	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	15	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	15	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	15	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	17	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	17	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	17	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	19	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	19	1.11
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	19	1.11
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	16	1.11
(1,3399)	1:355:A:TRP:HZ3	1:355:A:TRP:HD1	19	1.11
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	12	1.11
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	12	1.11
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	12	1.11
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	4	1.11
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	4	1.11
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	2	1.11
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	5	1.11
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	6	1.11
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	12	1.11
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	17	1.11
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	18	1.11
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	19	1.11
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	9	1.11
(1,2934)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	9	1.11
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	3	1.11
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	3	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	3	1.11
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	7	1.11
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	7	1.11
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	7	1.11
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	3	1.11
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	13	1.11
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	14	1.11
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	14	1.11
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	14	1.11
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	14	1.11
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	6	1.11
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	9	1.11
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	9	1.11
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	9	1.11
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	13	1.11
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	13	1.11
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	13	1.11
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	2	1.11
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	17	1.11
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	2	1.11
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	4	1.11
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	7	1.11
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	20	1.11
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	4	1.11
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	6	1.11
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	12	1.11
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	18	1.11
(1,2220)	1:415:A:TRP:HB2	1:415:A:TRP:HE3	8	1.11
(1,2220)	1:415:A:TRP:HB2	1:415:A:TRP:HE3	11	1.11
(1,2213)	1:432:A:ASP:HB2	1:432:A:ASP:H	19	1.11
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	3	1.11
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	6	1.11
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	14	1.11
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	17	1.11
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	11	1.11
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	11	1.11
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	11	1.11
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	14	1.11
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	14	1.11
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	14	1.11
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	3	1.11
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	3	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	3	1.11
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	9	1.11
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	9	1.11
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	9	1.11
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	15	1.11
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	15	1.11
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	15	1.11
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	17	1.11
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	17	1.11
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	17	1.11
(1,1709)	1:358:A:LYS:HA	1:358:A:LYS:HB2	15	1.11
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	6	1.11
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	8	1.11
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	17	1.11
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	20	1.11
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	6	1.11
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	8	1.11
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	10	1.11
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	11	1.11
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	15	1.11
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	16	1.11
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	17	1.11
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	18	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	2	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	4	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	5	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	6	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	9	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	10	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	11	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	14	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	15	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	17	1.11
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	18	1.11
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	3	1.11
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	6	1.11
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	14	1.11
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	14	1.11
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	14	1.11
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	11	1.11
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	12	1.11
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	1	1.11
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	2	1.11
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	3	1.11
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	4	1.11
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	7	1.11
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	8	1.11
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	18	1.11
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	1	1.11
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	3	1.11
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	6	1.11
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	7	1.11
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	10	1.11
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	11	1.11
(1,1293)	1:378:A:PRO:HB3	1:379:A:ALA:HA	7	1.11
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	16	1.11
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	5	1.11
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	5	1.11
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	5	1.11
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	11	1.11
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	18	1.11
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	20	1.11
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	13	1.11
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	13	1.11
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	13	1.11
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	18	1.11
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	18	1.11
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	18	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	1	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	2	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	3	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	6	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	8	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	9	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	10	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	12	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	13	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	15	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	16	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	17	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	18	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	19	1.11
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	20	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	8	1.11
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	20	1.11
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	3	1.11
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	11	1.11
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	16	1.11
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	5	1.11
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	8	1.11
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	20	1.11
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	7	1.11
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	8	1.11
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	14	1.11
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	15	1.11
(1,590)	1:426:A:GLN:HA	1:426:A:GLN:HB3	20	1.11
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD21	1	1.11
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD22	1	1.11
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD23	1	1.11
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD21	6	1.11
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD22	6	1.11
(1,559)	1:437:A:ARG:HD2	1:433:A:LEU:HD23	6	1.11
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	20	1.11
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	4	1.11
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	20	1.11
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	10	1.11
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	16	1.11
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	10	1.11
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	15	1.11
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	15	1.11
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	15	1.11
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	2	1.11
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	3	1.1
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	9	1.1
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	12	1.1
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	12	1.1
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	12	1.1
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	19	1.1
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	19	1.1
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	19	1.1
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	20	1.1
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	20	1.1
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	20	1.1
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	2	1.1
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	2	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	2	1.1
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	3	1.1
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	3	1.1
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	3	1.1
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	9	1.1
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	9	1.1
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	9	1.1
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	5	1.1
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	5	1.1
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	13	1.1
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	2	1.1
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	11	1.1
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	13	1.1
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	20	1.1
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	5	1.1
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	10	1.1
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	11	1.1
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	4	1.1
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	4	1.1
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	4	1.1
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	8	1.1
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	8	1.1
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	8	1.1
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	9	1.1
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	9	1.1
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	9	1.1
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	10	1.1
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	10	1.1
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	10	1.1
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	13	1.1
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	13	1.1
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	13	1.1
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	17	1.1
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	16	1.1
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	10	1.1
(1,2682)	1:382:A:PHE:HB2	1:383:A:TYR:H	20	1.1
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	4	1.1
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	12	1.1
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	17	1.1
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	7	1.1
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	13	1.1
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	7	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	1	1.1
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	8	1.1
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	9	1.1
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	15	1.1
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	19	1.1
(1,2519)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	5	1.1
(1,2519)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	8	1.1
(1,2519)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	20	1.1
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	1	1.1
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	3	1.1
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	9	1.1
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	10	1.1
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	12	1.1
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	14	1.1
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	18	1.1
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	2	1.1
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	14	1.1
(1,2179)	1:411:A:MET:HE1	1:445:A:THR:HB	7	1.1
(1,2179)	1:411:A:MET:HE2	1:445:A:THR:HB	7	1.1
(1,2179)	1:411:A:MET:HE3	1:445:A:THR:HB	7	1.1
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	12	1.1
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	1	1.1
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	10	1.1
(1,2035)	1:383:A:TYR:HA	1:383:A:TYR:HB2	11	1.1
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	18	1.1
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	18	1.1
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	18	1.1
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	3	1.1
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	14	1.1
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	14	1.1
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	14	1.1
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	2	1.1
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	4	1.1
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	9	1.1
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	12	1.1
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	16	1.1
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	2	1.1
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	3	1.1
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	4	1.1
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	5	1.1
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	7	1.1
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	9	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	12	1.1
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	13	1.1
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	20	1.1
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	1	1.1
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	3	1.1
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	7	1.1
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	8	1.1
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	12	1.1
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	13	1.1
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	16	1.1
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	19	1.1
(1,1620)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	20	1.1
(1,1558)	1:444:A:ASN:HA	1:444:A:ASN:HD21	15	1.1
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	11	1.1
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	11	1.1
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	20	1.1
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	20	1.1
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	10	1.1
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	18	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	1	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	2	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	4	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	7	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	8	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	9	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	11	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	12	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	13	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	14	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	16	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	17	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	18	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	19	1.1
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	20	1.1
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	19	1.1
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	8	1.1
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	8	1.1
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	8	1.1
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	14	1.1
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	14	1.1
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	6	1.1
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	13	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:358:A:LYS:HA	1:358:A:LYS:HD3	16	1.1
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	16	1.1
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	9	1.1
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	15	1.1
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	2	1.1
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	4	1.1
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	8	1.1
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	9	1.1
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	12	1.1
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	13	1.1
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	14	1.1
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	15	1.1
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	17	1.1
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	4	1.1
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	12	1.1
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	4	1.1
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	4	1.1
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	4	1.1
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	8	1.1
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	8	1.1
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	8	1.1
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	11	1.1
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	11	1.1
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	11	1.1
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	19	1.1
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	19	1.1
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	19	1.1
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	10	1.1
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	13	1.1
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	9	1.1
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	9	1.1
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	9	1.1
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	4	1.1
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	5	1.1
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	7	1.1
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	11	1.1
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	4	1.1
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	5	1.1
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	7	1.1
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	14	1.1
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	17	1.1
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	7	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	5	1.1
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	7	1.1
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	9	1.1
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	11	1.1
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	4	1.1
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	7	1.1
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	9	1.1
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	10	1.1
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	15	1.1
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	18	1.1
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	10	1.1
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	6	1.1
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	4	1.1
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	11	1.1
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	10	1.1
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	11	1.1
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	11	1.1
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	2	1.1
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	18	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	8	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	8	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	8	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	9	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	9	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	9	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	12	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	12	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	12	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	20	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	20	1.1
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	20	1.1
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	7	1.1
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	13	1.1
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	14	1.1
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	17	1.1
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	5	1.1
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	7	1.1
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	9	1.1
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	11	1.1
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	13	1.1
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	14	1.1
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	1	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	4	1.09
(1,3871)	1:371:A:GLY:H	1:370:A:SER:HB3	17	1.09
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	4	1.09
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	4	1.09
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	4	1.09
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	5	1.09
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	5	1.09
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	5	1.09
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	6	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	9	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	9	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	9	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	10	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	10	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	10	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	13	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	13	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	13	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	14	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	14	1.09
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	14	1.09
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	2	1.09
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	2	1.09
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	2	1.09
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	5	1.09
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	5	1.09
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	5	1.09
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	7	1.09
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	7	1.09
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	7	1.09
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	19	1.09
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	19	1.09
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	19	1.09
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	14	1.09
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	7	1.09
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	17	1.09
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	16	1.09
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	1	1.09
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	1	1.09
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	1	1.09
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	14	1.09
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	14	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	14	1.09
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	18	1.09
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	18	1.09
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	18	1.09
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	1	1.09
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	7	1.09
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	6	1.09
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	16	1.09
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	1	1.09
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	7	1.09
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	7	1.09
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	13	1.09
(1,2679)	1:343:A:THR:HG21	1:456:A:MET:HG2	18	1.09
(1,2679)	1:343:A:THR:HG22	1:456:A:MET:HG2	18	1.09
(1,2679)	1:343:A:THR:HG23	1:456:A:MET:HG2	18	1.09
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	2	1.09
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	3	1.09
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	6	1.09
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	7	1.09
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	8	1.09
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	9	1.09
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	10	1.09
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	11	1.09
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	15	1.09
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	19	1.09
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	5	1.09
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	5	1.09
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	6	1.09
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	10	1.09
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	6	1.09
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	14	1.09
(1,2490)	1:372:A:LYS:HE2	1:372:A:LYS:HB3	5	1.09
(1,2490)	1:372:A:LYS:HE2	1:372:A:LYS:HB3	12	1.09
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	5	1.09
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	13	1.09
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	15	1.09
(1,2448)	1:435:A:LYS:HE2	1:435:A:LYS:HB3	16	1.09
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	7	1.09
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	20	1.09
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	14	1.09
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE1	19	1.09
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE2	19	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:354:A:MET:HB3	1:354:A:MET:HE3	19	1.09
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	2	1.09
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	2	1.09
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	2	1.09
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	5	1.09
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	5	1.09
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	5	1.09
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	12	1.09
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	9	1.09
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	9	1.09
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	9	1.09
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	12	1.09
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	12	1.09
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	12	1.09
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	5	1.09
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	14	1.09
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	20	1.09
(1,1649)	1:450:A:MET:HB3	1:450:A:MET:HA	1	1.09
(1,1577)	1:423:A:SER:HA	1:423:A:SER:HB2	14	1.09
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	14	1.09
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	13	1.09
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	13	1.09
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	19	1.09
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	19	1.09
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	7	1.09
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	2	1.09
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	4	1.09
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	5	1.09
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	10	1.09
(1,1457)	1:344:A:TYR:HB3	1:344:A:TYR:HA	15	1.09
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	10	1.09
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	10	1.09
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	10	1.09
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	2	1.09
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	9	1.09
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	2	1.09
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	9	1.09
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	6	1.09
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	19	1.09
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	5	1.09
(1,1303)	1:411:A:MET:HG3	1:411:A:MET:HB2	20	1.09
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	1	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	17	1.09
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	7	1.09
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	7	1.09
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	7	1.09
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	12	1.09
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	12	1.09
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	12	1.09
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	15	1.09
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	15	1.09
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	15	1.09
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	20	1.09
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	20	1.09
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	20	1.09
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	20	1.09
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	8	1.09
(1,1147)	1:397:A:ASN:HB2	1:397:A:ASN:H	16	1.09
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	20	1.09
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	20	1.09
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	20	1.09
(1,1074)	1:422:A:ASP:HA	1:422:A:ASP:H	14	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	1	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	2	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	3	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	6	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	9	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	10	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	11	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	12	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	13	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	15	1.09
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	18	1.09
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	5	1.09
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	19	1.09
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	19	1.09
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	1	1.09
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	2	1.09
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	6	1.09
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	8	1.09
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	10	1.09
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	12	1.09
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	14	1.09
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	17	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	1	1.09
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	2	1.09
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	19	1.09
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	5	1.09
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	14	1.09
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	16	1.09
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	17	1.09
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	20	1.09
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	4	1.09
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	5	1.09
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	7	1.09
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	8	1.09
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	9	1.09
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	10	1.09
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	13	1.09
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	14	1.09
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	18	1.09
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	4	1.09
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	19	1.09
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	19	1.09
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	2	1.09
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	4	1.09
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	10	1.09
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	20	1.09
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	14	1.09
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	14	1.09
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	14	1.09
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	6	1.09
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	8	1.09
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	10	1.09
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	12	1.09
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	15	1.09
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	16	1.09
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	19	1.09
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	20	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	1	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	3	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	4	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	6	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	8	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	10	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	12	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	15	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	16	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	17	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	18	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	19	1.09
(1,3)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	20	1.09
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	10	1.08
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	11	1.08
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	11	1.08
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	19	1.08
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	7	1.08
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	7	1.08
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	7	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	1	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	1	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	1	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	5	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	5	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	5	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	11	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	11	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	11	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	20	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	20	1.08
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	20	1.08
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	1	1.08
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	4	1.08
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	4	1.08
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	4	1.08
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	11	1.08
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	11	1.08
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	11	1.08
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	1	1.08
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	1	1.08
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	1	1.08
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	15	1.08
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	15	1.08
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	15	1.08
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	18	1.08
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	18	1.08
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	18	1.08
(1,3167)	1:454:A:PHE:HB3	1:454:A:PHE:H	9	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	15	1.08
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	15	1.08
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	15	1.08
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	20	1.08
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	20	1.08
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	20	1.08
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	14	1.08
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	16	1.08
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	1	1.08
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	2	1.08
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	9	1.08
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	12	1.08
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	15	1.08
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	18	1.08
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	2	1.08
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	2	1.08
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	2	1.08
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	1	1.08
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	5	1.08
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	9	1.08
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	1	1.08
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	2	1.08
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	3	1.08
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	4	1.08
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	5	1.08
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	8	1.08
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	10	1.08
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	11	1.08
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	15	1.08
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	19	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	1	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	2	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	3	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	4	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	5	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	7	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	8	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	9	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	10	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	11	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	12	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	13	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	14	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	15	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	17	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	18	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	19	1.08
(1,2854)	1:345:A:ILE:HA	1:345:A:ILE:H	20	1.08
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	9	1.08
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	14	1.08
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	18	1.08
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	19	1.08
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	1	1.08
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	4	1.08
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	6	1.08
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	7	1.08
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	8	1.08
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	10	1.08
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	20	1.08
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	17	1.08
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	19	1.08
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	14	1.08
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	1	1.08
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	14	1.08
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	16	1.08
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	20	1.08
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	1	1.08
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	14	1.08
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	16	1.08
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	12	1.08
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	15	1.08
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	9	1.08
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	9	1.08
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	9	1.08
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	10	1.08
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	16	1.08
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	17	1.08
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	13	1.08
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	2	1.08
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	8	1.08
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	9	1.08
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	10	1.08
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	3	1.08
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	3	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	3	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	2	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	3	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	4	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	5	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	6	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	7	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	8	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	9	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	10	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	11	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	12	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	13	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	15	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	17	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	18	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	19	1.08
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	20	1.08
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	10	1.08
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	11	1.08
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	12	1.08
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	17	1.08
(1,1680)	1:358:A:LYS:HA	1:359:A:ASP:H	19	1.08
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	7	1.08
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	8	1.08
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	15	1.08
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	15	1.08
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	3	1.08
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	17	1.08
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	17	1.08
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	17	1.08
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	5	1.08
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	8	1.08
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	11	1.08
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	13	1.08
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	15	1.08
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	16	1.08
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	20	1.08
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	5	1.08
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	8	1.08
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	11	1.08
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	13	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	15	1.08
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	16	1.08
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	20	1.08
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	11	1.08
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	6	1.08
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	12	1.08
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	3	1.08
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	1	1.08
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	1	1.08
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	1	1.08
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	9	1.08
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	9	1.08
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	9	1.08
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	13	1.08
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	13	1.08
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	13	1.08
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	16	1.08
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	16	1.08
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	16	1.08
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	17	1.08
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	17	1.08
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	17	1.08
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	18	1.08
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	18	1.08
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	18	1.08
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	7	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	1	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	1	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	1	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	2	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	2	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	2	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	4	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	4	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	4	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	8	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	8	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	8	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	11	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	11	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	11	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	13	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	13	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	13	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	14	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	14	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	14	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	15	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	15	1.08
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	15	1.08
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	1	1.08
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	14	1.08
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	16	1.08
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	7	1.08
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	14	1.08
(1,984)	1:449:A:VAL:HG11	1:366:A:THR:HG1	4	1.08
(1,984)	1:449:A:VAL:HG12	1:366:A:THR:HG1	4	1.08
(1,984)	1:449:A:VAL:HG13	1:366:A:THR:HG1	4	1.08
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	11	1.08
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	11	1.08
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	3	1.08
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	13	1.08
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	15	1.08
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	16	1.08
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	18	1.08
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	19	1.08
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	14	1.08
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	11	1.08
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	3	1.08
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	17	1.08
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	6	1.08
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	20	1.08
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	12	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	1	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	1	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	1	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	2	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	2	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	2	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	3	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	3	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	3	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	4	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	4	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	4	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	5	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	5	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	5	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	6	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	6	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	6	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	7	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	7	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	7	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	8	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	8	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	8	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	9	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	9	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	9	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	11	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	11	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	11	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	12	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	12	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	12	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	13	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	13	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	13	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	15	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	15	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	15	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	16	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	16	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	16	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	17	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	17	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	17	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	18	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	18	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	18	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	19	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	19	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	19	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	20	1.08
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	20	1.08
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	19	1.08
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	1	1.08
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	2	1.08
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	3	1.08
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	4	1.08
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	6	1.08
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	15	1.08
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	16	1.08
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	20	1.08
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	3	1.08
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	14	1.08
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	15	1.08
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	9	1.08
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	15	1.08
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	6	1.08
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	12	1.08
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	13	1.08
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	13	1.08
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	15	1.08
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	20	1.08
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	5	1.08
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	7	1.08
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	7	1.08
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	7	1.08
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	18	1.08
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	18	1.08
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	18	1.08
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	1	1.08
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	2	1.08
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	4	1.08
(1,4021)	1:355:A:TRP:H	1:354:A:MET:HG2	19	1.07
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	8	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	3	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	3	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	3	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	6	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	6	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	6	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	10	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	10	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	14	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	14	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	14	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	15	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	15	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	15	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	16	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	16	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	16	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	17	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	17	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	17	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	18	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	18	1.07
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	18	1.07
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG21	12	1.07
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG22	12	1.07
(1,3686)	1:386:A:ASN:H	1:384:A:VAL:HG23	12	1.07
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	5	1.07
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	1	1.07
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	1	1.07
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	1	1.07
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	13	1.07
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	13	1.07
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	13	1.07
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	19	1.07
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	19	1.07
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	19	1.07
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	5	1.07
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	5	1.07
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	5	1.07
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	14	1.07
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	14	1.07
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	14	1.07
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	6	1.07
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	6	1.07
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	6	1.07
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	20	1.07
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	20	1.07
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	20	1.07
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	2	1.07
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	14	1.07
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	14	1.07
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	4	1.07
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	4	1.07
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	4	1.07
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	19	1.07
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	19	1.07
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	19	1.07
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	10	1.07
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	20	1.07
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	2	1.07
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	3	1.07
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	12	1.07
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	1	1.07
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	5	1.07
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	6	1.07
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	10	1.07
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	12	1.07
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	5	1.07
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	17	1.07
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	19	1.07
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	20	1.07
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	3	1.07
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	6	1.07
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	8	1.07
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	13	1.07
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	17	1.07
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	3	1.07
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	20	1.07
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	6	1.07
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	12	1.07
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	13	1.07
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	16	1.07
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	17	1.07
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	18	1.07
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	20	1.07
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	2	1.07
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	4	1.07
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	11	1.07
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	13	1.07
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	3	1.07
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	5	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	11	1.07
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	12	1.07
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	13	1.07
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	15	1.07
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	16	1.07
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	17	1.07
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	18	1.07
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	19	1.07
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	6	1.07
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	1	1.07
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	2	1.07
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	16	1.07
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	16	1.07
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	16	1.07
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	3	1.07
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	4	1.07
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	12	1.07
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	18	1.07
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	10	1.07
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	10	1.07
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	10	1.07
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	14	1.07
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	16	1.07
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	5	1.07
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	5	1.07
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	5	1.07
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	8	1.07
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	8	1.07
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	8	1.07
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	19	1.07
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	19	1.07
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	19	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	1	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	3	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	4	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	5	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	6	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	12	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	15	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	16	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	18	1.07
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	19	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	2	1.07
(1,2370)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	4	1.07
(1,2370)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	10	1.07
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	1	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	1	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	2	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	3	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	4	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	6	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	7	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	9	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	10	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	11	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	12	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	13	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	14	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	15	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	17	1.07
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	20	1.07
(1,2213)	1:432:A:ASP:HB2	1:432:A:ASP:H	1	1.07
(1,2213)	1:432:A:ASP:HB2	1:432:A:ASP:H	13	1.07
(1,2213)	1:432:A:ASP:HB2	1:432:A:ASP:H	16	1.07
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	13	1.07
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	2	1.07
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	6	1.07
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	13	1.07
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	16	1.07
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	17	1.07
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	18	1.07
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	13	1.07
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	7	1.07
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	10	1.07
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	7	1.07
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	7	1.07
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	7	1.07
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	8	1.07
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	8	1.07
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	8	1.07
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	1	1.07
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	14	1.07
(1,1771)	1:446:A:PRO:HG3	1:446:A:PRO:HB3	16	1.07
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	16	1.07
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	1	1.07
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	3	1.07
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	4	1.07
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	5	1.07
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	6	1.07
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	12	1.07
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	14	1.07
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	18	1.07
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	19	1.07
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	12	1.07
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	6	1.07
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	8	1.07
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	14	1.07
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	18	1.07
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	11	1.07
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	12	1.07
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	17	1.07
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	3	1.07
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	3	1.07
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	3	1.07
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	6	1.07
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	6	1.07
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	6	1.07
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	1	1.07
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	3	1.07
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	4	1.07
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	6	1.07
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	7	1.07
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	10	1.07
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	12	1.07
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	17	1.07
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	18	1.07
(1,1431)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	19	1.07
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	1	1.07
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	3	1.07
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	4	1.07
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	6	1.07
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	7	1.07
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	10	1.07
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	12	1.07
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	17	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	18	1.07
(1,1426)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	19	1.07
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	13	1.07
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	1	1.07
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	18	1.07
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	19	1.07
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	11	1.07
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	2	1.07
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	2	1.07
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	2	1.07
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	3	1.07
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	3	1.07
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	3	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	3	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	3	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	3	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	5	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	5	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	5	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	6	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	6	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	6	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	7	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	7	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	7	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	9	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	9	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	9	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	10	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	10	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	10	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	12	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	12	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	12	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	16	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	16	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	16	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	17	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	17	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	17	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	18	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	18	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG21	19	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG22	19	1.07
(1,1139)	1:413:A:ILE:HB	1:413:A:ILE:HG23	19	1.07
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	7	1.07
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	7	1.07
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	7	1.07
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	14	1.07
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	14	1.07
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	14	1.07
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	20	1.07
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	20	1.07
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	20	1.07
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	19	1.07
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	19	1.07
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	19	1.07
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	16	1.07
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	3	1.07
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	4	1.07
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	12	1.07
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	18	1.07
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	15	1.07
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	17	1.07
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	2	1.07
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	1	1.07
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	1	1.07
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	1	1.07
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	20	1.07
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	20	1.07
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	20	1.07
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	1	1.07
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	2	1.07
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	4	1.07
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	8	1.07
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	12	1.07
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	13	1.07
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	15	1.07
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	20	1.07
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	1	1.07
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	12	1.07
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	3	1.07
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	12	1.07
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	13	1.07
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	18	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	1	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	1	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	1	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	2	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	2	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	2	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	3	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	3	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	3	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	4	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	4	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	4	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	5	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	5	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	5	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	6	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	6	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	6	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	7	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	7	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	7	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	8	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	8	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	8	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	9	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	9	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	9	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	10	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	10	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	10	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	12	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	12	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	12	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	14	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	14	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	14	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	15	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	15	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	15	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	16	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	16	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	16	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	18	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	18	1.07
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	18	1.07
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	2	1.07
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD21	14	1.07
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD22	14	1.07
(1,433)	1:393:A:LEU:HG	1:393:A:LEU:HD23	14	1.07
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	1	1.07
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	12	1.07
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	17	1.07
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	8	1.07
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	18	1.07
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	8	1.07
(1,58)	1:458:A:GLU:HA	1:459:A:LYS:HB3	11	1.07
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	3	1.07
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	6	1.06
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	11	1.06
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	11	1.06
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	11	1.06
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	2	1.06
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	6	1.06
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	7	1.06
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	13	1.06
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	17	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	6	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	6	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	6	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	9	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	9	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	9	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	15	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	15	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	15	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	16	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	16	1.06
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	16	1.06
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	14	1.06
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	17	1.06
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	17	1.06
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	7	1.06
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	7	1.06
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	7	1.06
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	3	1.06
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	3	1.06
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	3	1.06
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	15	1.06
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	15	1.06
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	9	1.06
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	9	1.06
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	9	1.06
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	10	1.06
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	10	1.06
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	10	1.06
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	11	1.06
(1,3146)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	18	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	1	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	5	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	6	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	7	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	9	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	10	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	11	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	13	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	14	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	15	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	16	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	18	1.06
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	20	1.06
(1,3072)	1:387:A:LYS:HB3	1:387:A:LYS:HA	16	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	1	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	2	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	4	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	6	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	7	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	9	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	10	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	11	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	13	1.06
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	14	1.06
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	3	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	18	1.06
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	3	1.06
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	4	1.06
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	4	1.06
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	5	1.06
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	7	1.06
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	10	1.06
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	20	1.06
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	7	1.06
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	8	1.06
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	9	1.06
(1,2856)	1:454:A:PHE:HB2	1:454:A:PHE:HA	14	1.06
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	7	1.06
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	8	1.06
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	10	1.06
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	15	1.06
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	16	1.06
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	19	1.06
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	20	1.06
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	10	1.06
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	2	1.06
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	11	1.06
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	4	1.06
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	9	1.06
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	11	1.06
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	15	1.06
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	19	1.06
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	3	1.06
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	3	1.06
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	3	1.06
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	2	1.06
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	11	1.06
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	15	1.06
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	19	1.06
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	20	1.06
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	9	1.06
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	9	1.06
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	9	1.06
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	8	1.06
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	5	1.06
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	2	1.06
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	19	1.06
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	18	1.06
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	2	1.06
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	7	1.06
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	8	1.06
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	9	1.06
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	10	1.06
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	11	1.06
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	13	1.06
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	14	1.06
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	17	1.06
(1,2371)	1:353:A:HIS:HB2	1:353:A:HIS:HA	20	1.06
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	5	1.06
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	8	1.06
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	16	1.06
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	4	1.06
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	12	1.06
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	3	1.06
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	4	1.06
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	15	1.06
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	20	1.06
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	7	1.06
(1,1973)	1:343:A:THR:HG21	1:456:A:MET:HA	13	1.06
(1,1973)	1:343:A:THR:HG22	1:456:A:MET:HA	13	1.06
(1,1973)	1:343:A:THR:HG23	1:456:A:MET:HA	13	1.06
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	6	1.06
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	9	1.06
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	19	1.06
(1,1722)	1:462:A:PRO:HB2	1:463:A:VAL:HA	1	1.06
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	2	1.06
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	7	1.06
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	8	1.06
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	9	1.06
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	11	1.06
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	15	1.06
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	16	1.06
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	17	1.06
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	20	1.06
(1,1616)	1:387:A:LYS:HE2	1:387:A:LYS:HB2	16	1.06
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	10	1.06
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	11	1.06
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	4	1.06
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	5	1.06
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	5	1.06
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	1	1.06
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	6	1.06
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	7	1.06
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	9	1.06
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	10	1.06
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	15	1.06
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	7	1.06
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	7	1.06
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	7	1.06
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	9	1.06
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	9	1.06
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	9	1.06
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	12	1.06
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	12	1.06
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	12	1.06
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	2	1.06
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	5	1.06
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	16	1.06
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	17	1.06
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	18	1.06
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	19	1.06
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	20	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	2	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	3	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	4	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	5	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	7	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	8	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	9	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	10	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	13	1.06
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	14	1.06
(1,1370)	1:433:A:LEU:HB2	1:433:A:LEU:H	5	1.06
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	17	1.06
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	19	1.06
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	1	1.06
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	19	1.06
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	19	1.06
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	19	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	6	1.06
(1,1181)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	6	1.06
(1,1181)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	6	1.06
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	13	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	2	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	2	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	2	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	4	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	4	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	4	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	8	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	8	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	8	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	15	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	15	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	15	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	17	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	17	1.06
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	17	1.06
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	19	1.06
(1,1048)	1:410:A:TRP:HA	1:411:A:MET:H	20	1.06
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	2	1.06
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	11	1.06
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	15	1.06
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	19	1.06
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	20	1.06
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	1	1.06
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	3	1.06
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	19	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	1	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	5	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	6	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	7	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	9	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	10	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	11	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	13	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	14	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	15	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	16	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	18	1.06
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	20	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:366:A:THR:HB	1:366:A:THR:HG1	4	1.06
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	19	1.06
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	19	1.06
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	19	1.06
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	3	1.06
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	6	1.06
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	9	1.06
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	10	1.06
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	11	1.06
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	17	1.06
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	8	1.06
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	8	1.06
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	8	1.06
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	3	1.06
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	5	1.06
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	16	1.06
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	18	1.06
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	19	1.06
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	2	1.06
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	9	1.06
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	16	1.06
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	17	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	11	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	11	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	11	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	13	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	13	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	13	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	17	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	17	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	17	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	19	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	19	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	19	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	20	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	20	1.06
(1,637)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	20	1.06
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	5	1.06
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	11	1.06
(1,232)	1:354:A:MET:HB3	1:354:A:MET:H	19	1.06
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	5	1.06
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	18	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	16	1.06
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	18	1.06
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	4	1.06
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	10	1.06
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	12	1.06
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	14	1.06
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	17	1.06
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD11	13	1.06
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD12	13	1.06
(1,54)	1:433:A:LEU:HA	1:433:A:LEU:HD13	13	1.06
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	5	1.06
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	9	1.06
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	18	1.06
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	9	1.05
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	16	1.05
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	20	1.05
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	16	1.05
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	15	1.05
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	15	1.05
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	15	1.05
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	15	1.05
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	1	1.05
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	1	1.05
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	1	1.05
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	2	1.05
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	2	1.05
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	2	1.05
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	9	1.05
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	9	1.05
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	9	1.05
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	1	1.05
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	3	1.05
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	9	1.05
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	10	1.05
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	14	1.05
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	15	1.05
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	18	1.05
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	20	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	3	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	3	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	3	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	8	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	8	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	8	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	12	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	12	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	12	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	14	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	14	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	14	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	20	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	20	1.05
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	20	1.05
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	2	1.05
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	4	1.05
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	13	1.05
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	15	1.05
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG11	19	1.05
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG12	19	1.05
(1,3363)	1:355:A:TRP:HH2	1:362:A:VAL:HG13	19	1.05
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	2	1.05
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	2	1.05
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	2	1.05
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	4	1.05
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	4	1.05
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	4	1.05
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	13	1.05
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	13	1.05
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	13	1.05
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	14	1.05
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	15	1.05
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	3	1.05
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	4	1.05
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	8	1.05
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	12	1.05
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	17	1.05
(1,3077)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	19	1.05
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	5	1.05
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	8	1.05
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	15	1.05
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	20	1.05
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	4	1.05
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	8	1.05
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	6	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	9	1.05
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	11	1.05
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	16	1.05
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	8	1.05
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	12	1.05
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	16	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	1	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	3	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	4	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	5	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	6	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	11	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	12	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	13	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	14	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	17	1.05
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	18	1.05
(1,2793)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	15	1.05
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	14	1.05
(1,2779)	1:387:A:LYS:HE2	1:387:A:LYS:HA	15	1.05
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	1	1.05
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	4	1.05
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	16	1.05
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	18	1.05
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	4	1.05
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	4	1.05
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	4	1.05
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	15	1.05
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	15	1.05
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	15	1.05
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	13	1.05
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	6	1.05
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	8	1.05
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	9	1.05
(1,2617)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	17	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	7	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	7	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	7	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	8	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	8	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	8	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	13	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	13	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	14	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	14	1.05
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	14	1.05
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	8	1.05
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	9	1.05
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	10	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	1	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	1	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	1	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	3	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	3	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	3	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	4	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	4	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	4	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	6	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	6	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	6	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	7	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	7	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	7	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	11	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	11	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	11	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	12	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	12	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	12	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	13	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	13	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	13	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	14	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	14	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	14	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	15	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	15	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	15	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	16	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	16	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	16	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	17	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	17	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	17	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	20	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	20	1.05
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	20	1.05
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	3	1.05
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	19	1.05
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	18	1.05
(1,2222)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	19	1.05
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	1	1.05
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	10	1.05
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	11	1.05
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	16	1.05
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	19	1.05
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	7	1.05
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	5	1.05
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	7	1.05
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	11	1.05
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	15	1.05
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	16	1.05
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	4	1.05
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	5	1.05
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	5	1.05
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	7	1.05
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	13	1.05
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	14	1.05
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	15	1.05
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	16	1.05
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	20	1.05
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	15	1.05
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	15	1.05
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	15	1.05
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	7	1.05
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	8	1.05
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	10	1.05
(1,1711)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	13	1.05
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	6	1.05
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	9	1.05
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	6	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	2	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	2	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	3	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	6	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	6	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	10	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	10	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	12	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	12	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	14	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	14	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	16	1.05
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	16	1.05
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	13	1.05
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	10	1.05
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	2	1.05
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	3	1.05
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	6	1.05
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	8	1.05
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	9	1.05
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	14	1.05
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	16	1.05
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	20	1.05
(1,1434)	1:413:A:ILE:HD11	1:420:A:ILE:H	1	1.05
(1,1434)	1:413:A:ILE:HD12	1:420:A:ILE:H	1	1.05
(1,1434)	1:413:A:ILE:HD13	1:420:A:ILE:H	1	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	1	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	3	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	4	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	6	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	7	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	8	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	9	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	10	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	11	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	12	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	14	1.05
(1,1419)	1:434:A:TRP:HA	1:434:A:TRP:HB3	15	1.05
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	6	1.05
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	12	1.05
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	15	1.05
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	16	1.05
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	1	1.05
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	17	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	19	1.05
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	14	1.05
(1,1249)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	5	1.05
(1,1249)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	8	1.05
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	3	1.05
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	3	1.05
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	3	1.05
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	10	1.05
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	10	1.05
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	10	1.05
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	12	1.05
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	12	1.05
(1,1116)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	12	1.05
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	9	1.05
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	9	1.05
(1,1060)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	17	1.05
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	6	1.05
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	8	1.05
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	9	1.05
(1,1033)	1:373:A:PRO:HD2	1:373:A:PRO:HB2	17	1.05
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	3	1.05
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	4	1.05
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	8	1.05
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	12	1.05
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	17	1.05
(1,1015)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	19	1.05
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	3	1.05
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	6	1.05
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	7	1.05
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	16	1.05
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	18	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	3	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	3	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	3	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	4	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	4	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	4	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	7	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	7	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	7	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	10	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	10	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	11	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	11	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	11	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	12	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	12	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	12	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	14	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	14	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	14	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	16	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	16	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	16	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	17	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	17	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	17	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	19	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	19	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	19	1.05
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	20	1.05
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	20	1.05
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	20	1.05
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	6	1.05
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	19	1.05
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	9	1.05
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	10	1.05
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	1	1.05
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	5	1.05
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	10	1.05
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	5	1.05
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	5	1.05
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	5	1.05
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	8	1.05
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	18	1.05
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	20	1.05
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	5	1.05
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	5	1.05
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	5	1.05
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	5	1.05
(1,276)	1:377:A:THR:HB	1:377:A:THR:H	3	1.05
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	17	1.05
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	20	1.05
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	17	1.05
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	3	1.05
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	6	1.05
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	9	1.05
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	15	1.05
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	16	1.05
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	17	1.05
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	19	1.05
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	13	1.05
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	14	1.05
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	15	1.05
(1,35)	1:402:A:PRO:HB3	1:403:A:TYR:HA	11	1.05
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	4	1.04
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	7	1.04
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	7	1.04
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	7	1.04
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	2	1.04
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	4	1.04
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	13	1.04
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	17	1.04
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	19	1.04
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	11	1.04
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	5	1.04
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	5	1.04
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	5	1.04
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	13	1.04
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	13	1.04
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	13	1.04
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	4	1.04
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	8	1.04
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	11	1.04
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	12	1.04
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	16	1.04
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	16	1.04
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	7	1.04
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	7	1.04
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	7	1.04
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	17	1.04
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	17	1.04
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	17	1.04
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	19	1.04
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	20	1.04
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	19	1.04
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	19	1.04
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	19	1.04
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	5	1.04
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	5	1.04
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	5	1.04
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	14	1.04
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	14	1.04
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	14	1.04
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	17	1.04
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	17	1.04
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	17	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	2	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	3	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	5	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	7	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	8	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	9	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	10	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	12	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	13	1.04
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	19	1.04
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	3	1.04
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	3	1.04
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	3	1.04
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	17	1.04
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	17	1.04
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	17	1.04
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	17	1.04
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	18	1.04
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	19	1.04
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	7	1.04
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	13	1.04
(1,2958)	1:422:A:ASP:HA	1:423:A:SER:H	19	1.04
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	9	1.04
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	9	1.04
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	15	1.04
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	19	1.04
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	6	1.04
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	17	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	2	1.04
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	3	1.04
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	3	1.04
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	6	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	5	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	5	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	5	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	9	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	9	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	9	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	14	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	14	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	14	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	20	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	20	1.04
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	20	1.04
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	11	1.04
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	20	1.04
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	6	1.04
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	5	1.04
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	8	1.04
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	9	1.04
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	15	1.04
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	16	1.04
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	19	1.04
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	4	1.04
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	4	1.04
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	4	1.04
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	11	1.04
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	11	1.04
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	11	1.04
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	13	1.04
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	14	1.04
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	16	1.04
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	20	1.04
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	4	1.04
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	3	1.04
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	8	1.04
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	2	1.04
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	2	1.04
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	2	1.04
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	7	1.04
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	1	1.04
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	13	1.04
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	15	1.04
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	18	1.04
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	19	1.04
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	1	1.04
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	14	1.04
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	5	1.04
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	7	1.04
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	13	1.04
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	14	1.04
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	15	1.04
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	20	1.04
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	11	1.04
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	16	1.04
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	3	1.04
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	2	1.04
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	4	1.04
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	8	1.04
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	11	1.04
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	12	1.04
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	5	1.04
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	11	1.04
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	20	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	1	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	2	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	3	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	4	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	5	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	6	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	7	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	8	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	9	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	10	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	11	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	12	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	13	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	14	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	15	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	16	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	17	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	18	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	19	1.04
(1,1573)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	20	1.04
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	9	1.04
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	9	1.04
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	17	1.04
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	17	1.04
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	18	1.04
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	18	1.04
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	18	1.04
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	1	1.04
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	4	1.04
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	7	1.04
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	10	1.04
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	13	1.04
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	15	1.04
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	18	1.04
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	11	1.04
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	16	1.04
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	17	1.04
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	19	1.04
(1,1309)	1:355:A:TRP:HB2	1:355:A:TRP:H	20	1.04
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	3	1.04
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	15	1.04
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	16	1.04
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	4	1.04
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	8	1.04
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	1	1.04
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	1	1.04
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	1	1.04
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	7	1.04
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	7	1.04
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	7	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	1	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	1	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	2	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	2	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	4	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	4	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	6	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	6	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	10	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	13	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	13	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	15	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	15	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	18	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	18	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	19	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	19	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	20	1.04
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	20	1.04
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	12	1.04
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	13	1.04
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	16	1.04
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	19	1.04
(1,885)	1:411:A:MET:HG2	1:411:A:MET:HB2	19	1.04
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	1	1.04
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	1	1.04
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	1	1.04
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	2	1.04
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	2	1.04
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	2	1.04
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	5	1.04
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	5	1.04
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	5	1.04
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	6	1.04
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	6	1.04
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	6	1.04
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	9	1.04
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	9	1.04
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	9	1.04
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	13	1.04
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	13	1.04
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	13	1.04
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	15	1.04
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	15	1.04
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	15	1.04
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	1	1.04
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	4	1.04
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	7	1.04
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	9	1.04
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	16	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	18	1.04
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	2	1.04
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	6	1.04
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	20	1.04
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	15	1.04
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	19	1.04
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	10	1.04
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	10	1.04
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	10	1.04
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	14	1.04
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	15	1.04
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	2	1.04
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	20	1.04
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	18	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	1	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	2	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	3	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	4	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	5	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	6	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	7	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	8	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	9	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	10	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	11	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	12	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	13	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	14	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	15	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	16	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	17	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	18	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	19	1.04
(1,310)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	20	1.04
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	19	1.04
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	19	1.04
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	6	1.04
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	13	1.04
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	13	1.04
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	4	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	1	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	4	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	5	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	7	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	8	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	10	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	11	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	12	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	13	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	14	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	18	1.04
(1,69)	1:453:A:LEU:HB3	1:453:A:LEU:HG	20	1.04
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	5	1.04
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	10	1.04
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	16	1.04
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	2	1.03
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	7	1.03
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	9	1.03
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	10	1.03
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	14	1.03
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	16	1.03
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	3	1.03
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	14	1.03
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG21	8	1.03
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG22	8	1.03
(1,3795)	1:353:A:HIS:H	1:347:A:VAL:HG23	8	1.03
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	19	1.03
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	4	1.03
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	6	1.03
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	1	1.03
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	5	1.03
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	10	1.03
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	11	1.03
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	12	1.03
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	6	1.03
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	6	1.03
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	6	1.03
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	1	1.03
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	1	1.03
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	1	1.03
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	16	1.03
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	16	1.03
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	16	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	11	1.03
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	11	1.03
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	11	1.03
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	1	1.03
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	4	1.03
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	6	1.03
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	11	1.03
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	16	1.03
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	17	1.03
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	18	1.03
(1,3235)	1:434:A:TRP:HD1	1:434:A:TRP:HZ3	20	1.03
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	1	1.03
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	1	1.03
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	1	1.03
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	2	1.03
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	2	1.03
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	2	1.03
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	8	1.03
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	8	1.03
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	8	1.03
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	11	1.03
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	11	1.03
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	11	1.03
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	12	1.03
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	12	1.03
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	12	1.03
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	13	1.03
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	13	1.03
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	13	1.03
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	14	1.03
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	14	1.03
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	14	1.03
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	16	1.03
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	16	1.03
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	16	1.03
(1,3059)	1:408:A:ASN:HA	1:409:A:TYR:HB3	16	1.03
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	9	1.03
(1,3043)	1:349:A:LEU:HB2	1:350:A:GLU:H	15	1.03
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	12	1.03
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	19	1.03
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	5	1.03
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	8	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	10	1.03
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	11	1.03
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	10	1.03
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	2	1.03
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	6	1.03
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	7	1.03
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	9	1.03
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	10	1.03
(1,2789)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	9	1.03
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	17	1.03
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	1	1.03
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	1	1.03
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	1	1.03
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	10	1.03
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	10	1.03
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	10	1.03
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	16	1.03
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	10	1.03
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	1	1.03
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	2	1.03
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	3	1.03
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	9	1.03
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	10	1.03
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	15	1.03
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	18	1.03
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	5	1.03
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	6	1.03
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	7	1.03
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	12	1.03
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	13	1.03
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	17	1.03
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	20	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	5	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	5	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	5	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	17	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	17	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	17	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	18	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	18	1.03
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	18	1.03
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	2	1.03
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	5	1.03
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	7	1.03
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	12	1.03
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	20	1.03
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	18	1.03
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	18	1.03
(1,2479)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	18	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	4	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	5	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	6	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	8	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	10	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	11	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	12	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	14	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	16	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	17	1.03
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	20	1.03
(1,2166)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	19	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	1	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	2	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	3	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	4	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	6	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	8	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	9	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	10	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	11	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	12	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	16	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	17	1.03
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	18	1.03
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	5	1.03
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	20	1.03
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	9	1.03
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	16	1.03
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	17	1.03
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	18	1.03
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	16	1.03
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	18	1.03
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	3	1.03
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	6	1.03
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	9	1.03
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	10	1.03
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	17	1.03
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	18	1.03
(1,1815)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	19	1.03
(1,1793)	1:413:A:ILE:HD11	1:419:A:GLY:HA2	1	1.03
(1,1793)	1:413:A:ILE:HD12	1:419:A:GLY:HA2	1	1.03
(1,1793)	1:413:A:ILE:HD13	1:419:A:GLY:HA2	1	1.03
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	3	1.03
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	19	1.03
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	4	1.03
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	10	1.03
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	4	1.03
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	15	1.03
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	7	1.03
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	7	1.03
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	8	1.03
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	8	1.03
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	16	1.03
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	7	1.03
(1,1453)	1:354:A:MET:HG2	1:354:A:MET:HA	5	1.03
(1,1390)	1:356:A:TYR:HB2	1:356:A:TYR:H	20	1.03
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	3	1.03
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	3	1.03
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	3	1.03
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	17	1.03
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	17	1.03
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	17	1.03
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	6	1.03
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	11	1.03
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	15	1.03
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	17	1.03
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	4	1.03
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	4	1.03
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	4	1.03
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	8	1.03
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	8	1.03
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	8	1.03
(1,1249)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	20	1.03
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:370:A:SER:HB2	1:370:A:SER:HG	2	1.03
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	1	1.03
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	1	1.03
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	1	1.03
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	6	1.03
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	6	1.03
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	6	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	3	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	3	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	11	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	11	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	12	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	12	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	16	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	16	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	17	1.03
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	17	1.03
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	7	1.03
(1,1024)	1:438:A:GLY:HA2	1:439:A:SER:HB3	16	1.03
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	10	1.03
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	10	1.03
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	17	1.03
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	15	1.03
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	15	1.03
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	15	1.03
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	8	1.03
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	8	1.03
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	3	1.03
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	3	1.03
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	3	1.03
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	12	1.03
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	12	1.03
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	12	1.03
(1,829)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	18	1.03
(1,829)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	18	1.03
(1,829)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	18	1.03
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	2	1.03
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	10	1.03
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	11	1.03
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	13	1.03
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	14	1.03
(1,716)	1:372:A:LYS:HB2	1:372:A:LYS:HA	15	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	13	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	4	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	5	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	6	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	7	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	8	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	11	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	13	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	15	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	16	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	17	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	18	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	19	1.03
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	20	1.03
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	7	1.03
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	7	1.03
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	7	1.03
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	8	1.03
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	8	1.03
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	8	1.03
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	18	1.03
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	19	1.03
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	5	1.03
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	7	1.03
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	8	1.03
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	16	1.03
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	19	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	3	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	3	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	7	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	7	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	8	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	8	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	11	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	11	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	14	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	14	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	16	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	16	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	17	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	17	1.03
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	20	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	20	1.03
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	14	1.03
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	1	1.03
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	11	1.03
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	16	1.03
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	2	1.03
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	2	1.03
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	3	1.03
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	7	1.03
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	19	1.03
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	20	1.03
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	1	1.02
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	13	1.02
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	17	1.02
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	18	1.02
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	20	1.02
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	11	1.02
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	14	1.02
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	15	1.02
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	16	1.02
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	1	1.02
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	12	1.02
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	17	1.02
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	20	1.02
(1,3830)	1:408:A:ASN:HD21	1:408:A:ASN:H	4	1.02
(1,3594)	1:363:A:ALA:H	1:364:A:LEU:H	19	1.02
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	3	1.02
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	6	1.02
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	17	1.02
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	3	1.02
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	3	1.02
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	3	1.02
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	8	1.02
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	8	1.02
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	8	1.02
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	20	1.02
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	20	1.02
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	20	1.02
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD21	8	1.02
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD22	8	1.02
(1,3274)	1:410:A:TRP:HD1	1:393:A:LEU:HD23	8	1.02
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	11	1.02
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	19	1.02
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	19	1.02
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	20	1.02
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	20	1.02
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	18	1.02
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	18	1.02
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	18	1.02
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	1	1.02
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	14	1.02
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	1	1.02
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	13	1.02
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	20	1.02
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	20	1.02
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	20	1.02
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	10	1.02
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	13	1.02
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	2	1.02
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	3	1.02
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	7	1.02
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	12	1.02
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	13	1.02
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	16	1.02
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	17	1.02
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	18	1.02
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	20	1.02
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	19	1.02
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	12	1.02
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	14	1.02
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	15	1.02
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	18	1.02
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	8	1.02
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	10	1.02
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	8	1.02
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	16	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	7	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	7	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	7	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	13	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	13	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	13	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	17	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	17	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	17	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	19	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	19	1.02
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	19	1.02
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	2	1.02
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	4	1.02
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	5	1.02
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	11	1.02
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	12	1.02
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	17	1.02
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	20	1.02
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	1	1.02
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	2	1.02
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	3	1.02
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	4	1.02
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	10	1.02
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	11	1.02
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	14	1.02
(1,2634)	1:392:A:THR:HA	1:393:A:LEU:H	18	1.02
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	3	1.02
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	3	1.02
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	3	1.02
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	3	1.02
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	4	1.02
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	6	1.02
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	17	1.02
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	18	1.02
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	19	1.02
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	17	1.02
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	20	1.02
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	18	1.02
(1,2282)	1:435:A:LYS:HD2	1:434:A:TRP:HE1	13	1.02
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	18	1.02
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	2	1.02
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	3	1.02
(1,2167)	1:452:A:GLU:HB2	1:453:A:LEU:H	9	1.02
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	5	1.02
(1,2107)	1:457:A:VAL:HA	1:457:A:VAL:HB	19	1.02
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	14	1.02
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	13	1.02
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	2	1.02
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	3	1.02
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	7	1.02
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	8	1.02
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	10	1.02
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	15	1.02
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	19	1.02
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	20	1.02
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	12	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	1	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	2	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	3	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	4	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	5	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	6	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	7	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	8	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	9	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	10	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	11	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	12	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	13	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	14	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	15	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	17	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	19	1.02
(1,1832)	1:462:A:PRO:HB2	1:462:A:PRO:HG2	20	1.02
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	13	1.02
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	4	1.02
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	18	1.02
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	16	1.02
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	18	1.02
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	2	1.02
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	4	1.02
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	5	1.02
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	2	1.02
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	18	1.02
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	1	1.02
(1,1513)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	1	1.02
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	5	1.02
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	2	1.02
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	3	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	4	1.02
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	17	1.02
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	3	1.02
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	14	1.02
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	15	1.02
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	8	1.02
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	5	1.02
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	5	1.02
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	5	1.02
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	20	1.02
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	20	1.02
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	20	1.02
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	3	1.02
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	9	1.02
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	12	1.02
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	13	1.02
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	16	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	2	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	2	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	2	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	3	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	3	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	3	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	5	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	5	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	5	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	7	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	7	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	7	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	9	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	9	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	9	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	10	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	10	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	10	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	11	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	11	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	11	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	13	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	13	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	13	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	14	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	14	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	15	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	15	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	15	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	16	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	16	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	16	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	18	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	18	1.02
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	18	1.02
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	8	1.02
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	8	1.02
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	3	1.02
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	16	1.02
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	18	1.02
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	19	1.02
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	6	1.02
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	11	1.02
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	12	1.02
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	18	1.02
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	20	1.02
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	8	1.02
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	9	1.02
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	11	1.02
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	12	1.02
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	18	1.02
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	20	1.02
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	8	1.02
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	8	1.02
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	8	1.02
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	16	1.02
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	16	1.02
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	16	1.02
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	19	1.02
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	19	1.02
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	19	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	6	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	6	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	6	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	7	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	7	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	9	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	9	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	9	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	16	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	16	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	16	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	17	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	17	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	17	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	18	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	18	1.02
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	18	1.02
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	4	1.02
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	4	1.02
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	4	1.02
(1,750)	1:403:A:TYR:HB2	1:404:A:GLU:H	7	1.02
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	8	1.02
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	4	1.02
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	11	1.02
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	14	1.02
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	1	1.02
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	2	1.02
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	3	1.02
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	9	1.02
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	10	1.02
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	12	1.02
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	11	1.02
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	11	1.02
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	11	1.02
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	15	1.02
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	15	1.02
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	15	1.02
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	20	1.02
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	20	1.02
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	20	1.02
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	4	1.02
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	10	1.02
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	10	1.02
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	10	1.02
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	11	1.02
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	17	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	18	1.02
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	3	1.02
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	5	1.02
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	18	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	1	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	3	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	4	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	5	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	6	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	8	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	9	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	10	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	12	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	14	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	15	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	18	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	19	1.02
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	20	1.02
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	12	1.02
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	12	1.02
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	13	1.02
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	13	1.02
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	18	1.02
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	18	1.02
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	11	1.02
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	8	1.02
(1,170)	1:427:A:PRO:HD3	1:426:A:GLN:HA	18	1.02
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	10	1.02
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	14	1.02
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	17	1.02
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	9	1.02
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	19	1.02
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	9	1.02
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	11	1.02
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	9	1.02
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	3	1.01
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	6	1.01
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	8	1.01
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	12	1.01
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	15	1.01
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	19	1.01
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	7	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	12	1.01
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	20	1.01
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	4	1.01
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	6	1.01
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	12	1.01
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	2	1.01
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	18	1.01
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	18	1.01
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	20	1.01
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD21	18	1.01
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD22	18	1.01
(1,3504)	1:392:A:THR:H	1:393:A:LEU:HD23	18	1.01
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	7	1.01
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	9	1.01
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	18	1.01
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	7	1.01
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	7	1.01
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	7	1.01
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	14	1.01
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	14	1.01
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	14	1.01
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	20	1.01
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	20	1.01
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	20	1.01
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	20	1.01
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	20	1.01
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	20	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	2	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	2	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	2	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	4	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	4	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	4	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	10	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	10	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	10	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	11	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	11	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	11	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	15	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	15	1.01
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	12	1.01
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	12	1.01
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	16	1.01
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	16	1.01
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	17	1.01
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	17	1.01
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	6	1.01
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	6	1.01
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	6	1.01
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	2	1.01
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	15	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	2	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	3	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	4	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	5	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	6	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	7	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	8	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	9	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	12	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	13	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	14	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	15	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	18	1.01
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	20	1.01
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	15	1.01
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	6	1.01
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	14	1.01
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	11	1.01
(1,2818)	1:447:A:PRO:HB3	1:447:A:PRO:HA	9	1.01
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	5	1.01
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	17	1.01
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	3	1.01
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	9	1.01
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	12	1.01
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	5	1.01
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	20	1.01
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	19	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	2	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	2	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	2	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	6	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	6	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	8	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	8	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	8	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	11	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	11	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	11	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	18	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	18	1.01
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	18	1.01
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	4	1.01
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	5	1.01
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	8	1.01
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	14	1.01
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	12	1.01
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	12	1.01
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	12	1.01
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	15	1.01
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	6	1.01
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	11	1.01
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	4	1.01
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	5	1.01
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	14	1.01
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	15	1.01
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	19	1.01
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	8	1.01
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	14	1.01
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	15	1.01
(1,2182)	1:426:A:GLN:HB3	1:426:A:GLN:HA	20	1.01
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	2	1.01
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	4	1.01
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	5	1.01
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	6	1.01
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	11	1.01
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	12	1.01
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	13	1.01
(1,1869)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	14	1.01
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	1	1.01
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	13	1.01
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	2	1.01
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	3	1.01
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	6	1.01
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	7	1.01
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	10	1.01
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	11	1.01
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	16	1.01
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	20	1.01
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	5	1.01
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	9	1.01
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	2	1.01
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	4	1.01
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	5	1.01
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	6	1.01
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	8	1.01
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	9	1.01
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	10	1.01
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	13	1.01
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	1	1.01
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	2	1.01
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	4	1.01
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	11	1.01
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	13	1.01
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	14	1.01
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	15	1.01
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	18	1.01
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	20	1.01
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	6	1.01
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	6	1.01
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	6	1.01
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	7	1.01
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	7	1.01
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	7	1.01
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	11	1.01
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	11	1.01
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	11	1.01
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	14	1.01
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	14	1.01
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	14	1.01
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	15	1.01
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	15	1.01
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	15	1.01
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	2	1.01
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	10	1.01
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	18	1.01
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	12	1.01
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	12	1.01
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	12	1.01
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	17	1.01
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	17	1.01
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	17	1.01
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	20	1.01
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	20	1.01
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	20	1.01
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	2	1.01
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	12	1.01
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	5	1.01
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	5	1.01
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	7	1.01
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	7	1.01
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	14	1.01
(1,1064)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	14	1.01
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	17	1.01
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	2	1.01
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	8	1.01
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	11	1.01
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	20	1.01
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	1	1.01
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	2	1.01
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	3	1.01
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	13	1.01
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	15	1.01
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	17	1.01
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	19	1.01
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	3	1.01
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	4	1.01
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	4	1.01
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	4	1.01
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	7	1.01
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	7	1.01
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	7	1.01
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	9	1.01
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	9	1.01
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	11	1.01
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	11	1.01
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	11	1.01
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	14	1.01
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	14	1.01
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	14	1.01
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	1	1.01
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	1	1.01
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	10	1.01
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	10	1.01
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	10	1.01
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	15	1.01
(1,658)	1:404:A:GLU:HB3	1:403:A:TYR:HA	7	1.01
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	1	1.01
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	1	1.01
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	1	1.01
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	3	1.01
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	3	1.01
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	3	1.01
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	12	1.01
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	12	1.01
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	12	1.01
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	18	1.01
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	18	1.01
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	18	1.01
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	19	1.01
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	19	1.01
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	19	1.01
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	3	1.01
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	4	1.01
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	5	1.01
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	6	1.01
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	8	1.01
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	10	1.01
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	14	1.01
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	16	1.01
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	1	1.01
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	3	1.01
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	8	1.01
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	10	1.01
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	18	1.01
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	5	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	7	1.01
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	8	1.01
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	12	1.01
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	15	1.01
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	2	1.01
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	4	1.01
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	8	1.01
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	9	1.01
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	10	1.01
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	13	1.01
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	15	1.01
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	2	1.01
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	7	1.01
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	11	1.01
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	13	1.01
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	16	1.01
(1,384)	1:349:A:LEU:HB3	1:349:A:LEU:HA	17	1.01
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	16	1.01
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	16	1.01
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	2	1.01
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	2	1.01
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	4	1.01
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	4	1.01
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	6	1.01
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	6	1.01
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	9	1.01
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	9	1.01
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	10	1.01
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	10	1.01
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	7	1.01
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	4	1.01
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	7	1.01
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	12	1.01
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	19	1.01
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	17	1.01
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	13	1.01
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	13	1.01
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	13	1.01
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	13	1.01
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	1	1.01
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	4	1.01
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	11	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	12	1.01
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	18	1.01
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	2	1.01
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	6	1.01
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	8	1.01
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	11	1.01
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	12	1.01
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	14	1.01
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	15	1.01
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	20	1.01
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	5	1.0
(1,4180)	1:351:A:ASN:HD21	1:351:A:ASN:H	11	1.0
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	17	1.0
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	17	1.0
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	17	1.0
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	5	1.0
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	5	1.0
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	12	1.0
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	10	1.0
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	2	1.0
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	8	1.0
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	15	1.0
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	5	1.0
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	5	1.0
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	5	1.0
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	7	1.0
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	7	1.0
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	7	1.0
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	7	1.0
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	12	1.0
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	12	1.0
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	12	1.0
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	20	1.0
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	20	1.0
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	20	1.0
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	12	1.0
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	17	1.0
(1,3466)	1:410:A:TRP:HE3	1:410:A:TRP:HA	16	1.0
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	5	1.0
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	5	1.0
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	5	1.0
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	18	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	18	1.0
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	18	1.0
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	10	1.0
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	10	1.0
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	10	1.0
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	10	1.0
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	10	1.0
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	10	1.0
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	6	1.0
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	6	1.0
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	6	1.0
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	8	1.0
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	8	1.0
(1,3155)	1:362:A:VAL:HG11	1:361:A:LYS:HG2	7	1.0
(1,3155)	1:362:A:VAL:HG12	1:361:A:LYS:HG2	7	1.0
(1,3155)	1:362:A:VAL:HG13	1:361:A:LYS:HG2	7	1.0
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	10	1.0
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	11	1.0
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	16	1.0
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	17	1.0
(1,2978)	1:450:A:MET:HB2	1:450:A:MET:HA	19	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	5	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	5	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	5	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	7	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	7	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	7	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	13	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	13	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	13	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	14	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	14	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	14	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	16	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	16	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	16	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	20	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	20	1.0
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	20	1.0
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	18	1.0
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	12	1.0
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	12	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	12	1.0
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	11	1.0
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	4	1.0
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	11	1.0
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	6	1.0
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	18	1.0
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	12	1.0
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	6	1.0
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	9	1.0
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	14	1.0
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	15	1.0
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	12	1.0
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	12	1.0
(1,2757)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	12	1.0
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	18	1.0
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	6	1.0
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	6	1.0
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	6	1.0
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	15	1.0
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	15	1.0
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	15	1.0
(1,2611)	1:438:A:GLY:HA2	1:439:A:SER:H	11	1.0
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	9	1.0
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	15	1.0
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	18	1.0
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	10	1.0
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	9	1.0
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	9	1.0
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	2	1.0
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	7	1.0
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	9	1.0
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	13	1.0
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	14	1.0
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	15	1.0
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	18	1.0
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	18	1.0
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	20	1.0
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	11	1.0
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	16	1.0
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	17	1.0
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	20	1.0
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	16	1.0
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	17	1.0
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	20	1.0
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	2	1.0
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	4	1.0
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	8	1.0
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	9	1.0
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	12	1.0
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	13	1.0
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	14	1.0
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	15	1.0
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	17	1.0
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	11	1.0
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	17	1.0
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	4	1.0
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	12	1.0
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	8	1.0
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	15	1.0
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	20	1.0
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	1	1.0
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	7	1.0
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	18	1.0
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	3	1.0
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	5	1.0
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	6	1.0
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	7	1.0
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	9	1.0
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	10	1.0
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	12	1.0
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	16	1.0
(1,1363)	1:419:A:GLY:HA3	1:419:A:GLY:H	17	1.0
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	12	1.0
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	12	1.0
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	12	1.0
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	18	1.0
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	18	1.0
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	18	1.0
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	19	1.0
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	19	1.0
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	19	1.0
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG21	6	1.0
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG22	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:347:A:VAL:HA	1:347:A:VAL:HG23	6	1.0
(1,1249)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	12	1.0
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	3	1.0
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	6	1.0
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	11	1.0
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	17	1.0
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	1	1.0
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	2	1.0
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	4	1.0
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	6	1.0
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	8	1.0
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	13	1.0
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	16	1.0
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	18	1.0
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	19	1.0
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	12	1.0
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	12	1.0
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	12	1.0
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	1	1.0
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	8	1.0
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	9	1.0
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	15	1.0
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	19	1.0
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	3	1.0
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	1	1.0
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	17	1.0
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	4	1.0
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	5	1.0
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	7	1.0
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	8	1.0
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	9	1.0
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	16	1.0
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	4	1.0
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	5	1.0
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	7	1.0
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	1	1.0
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	1	1.0
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	1	1.0
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	5	1.0
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	5	1.0
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	5	1.0
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	12	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	12	1.0
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	12	1.0
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	17	1.0
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	17	1.0
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	17	1.0
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	18	1.0
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	18	1.0
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	18	1.0
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	20	1.0
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	20	1.0
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	20	1.0
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	9	1.0
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	8	1.0
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	8	1.0
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	8	1.0
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	13	1.0
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	13	1.0
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	13	1.0
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	13	1.0
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	13	1.0
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	13	1.0
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	15	1.0
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	15	1.0
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	15	1.0
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	4	1.0
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	4	1.0
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	4	1.0
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	4	1.0
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	6	1.0
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	6	1.0
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	6	1.0
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	9	1.0
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	9	1.0
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	9	1.0
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	13	1.0
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	13	1.0
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	13	1.0
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	1	1.0
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	2	1.0
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	7	1.0
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	9	1.0
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	12	1.0
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	13	1.0
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	15	1.0
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	17	1.0
(1,605)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	20	1.0
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	6	1.0
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	12	1.0
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	13	1.0
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	14	1.0
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	17	1.0
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	1	1.0
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	18	1.0
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	6	1.0
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	7	1.0
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	11	1.0
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	12	1.0
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	14	1.0
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	17	1.0
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	19	1.0
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	20	1.0
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	9	1.0
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	5	1.0
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	5	1.0
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	15	1.0
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	15	1.0
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	1	1.0
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	6	1.0
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	14	1.0
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	20	1.0
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	14	1.0
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	16	1.0
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	16	1.0
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	16	1.0
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	3	1.0
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	6	1.0
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	9	1.0
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	18	1.0
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	8	1.0
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	6	1.0
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	6	1.0
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	8	1.0
(1,60)	1:376:A:PRO:HD3	1:375:A:THR:HA	17	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	1	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	3	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	4	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	5	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	7	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	9	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	10	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	13	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	16	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	17	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	18	1.0
(1,1)	1:435:A:LYS:HG2	1:435:A:LYS:HD2	19	1.0
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	8	0.99
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	10	0.99
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	7	0.99
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	14	0.99
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	3	0.99
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	7	0.99
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	13	0.99
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	14	0.99
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	3	0.99
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	3	0.99
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	3	0.99
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	1	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	4	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	4	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	4	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	8	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	8	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	8	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	10	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	10	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	10	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	16	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	16	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	16	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	17	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	17	0.99
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	17	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	1	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	2	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	3	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	4	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	5	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	9	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	10	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	11	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	12	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	13	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	16	0.99
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	19	0.99
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	12	0.99
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	12	0.99
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	12	0.99
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	15	0.99
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	15	0.99
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	15	0.99
(1,2889)	1:350:A:GLU:HB2	1:351:A:ASN:H	1	0.99
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	5	0.99
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	15	0.99
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	19	0.99
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	4	0.99
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	13	0.99
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	19	0.99
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	20	0.99
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	17	0.99
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	18	0.99
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	2	0.99
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	2	0.99
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	2	0.99
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	20	0.99
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	20	0.99
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	20	0.99
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	1	0.99
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	2	0.99
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	10	0.99
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	16	0.99
(1,2370)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	20	0.99
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	1	0.99
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	3	0.99
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	4	0.99
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	5	0.99
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	6	0.99
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	3	0.99
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	8	0.99
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	11	0.99
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	1	0.99
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	5	0.99
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	7	0.99
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	12	0.99
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	5	0.99
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	7	0.99
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	10	0.99
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	18	0.99
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	5	0.99
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	7	0.99
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	10	0.99
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	18	0.99
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	5	0.99
(1,1655)	1:411:A:MET:HB2	1:411:A:MET:HG3	20	0.99
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	19	0.99
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	1	0.99
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	17	0.99
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	11	0.99
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	11	0.99
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	12	0.99
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	19	0.99
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	2	0.99
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	2	0.99
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	2	0.99
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	9	0.99
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	9	0.99
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	9	0.99
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	16	0.99
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	16	0.99
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	16	0.99
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	7	0.99
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	1	0.99
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	4	0.99
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	9	0.99
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	14	0.99
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	16	0.99
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	18	0.99
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	3	0.99
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	5	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	7	0.99
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	9	0.99
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	10	0.99
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	11	0.99
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	12	0.99
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	14	0.99
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	15	0.99
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	17	0.99
(1,1146)	1:353:A:HIS:HB3	1:353:A:HIS:HA	20	0.99
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	6	0.99
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	14	0.99
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	4	0.99
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	10	0.99
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	12	0.99
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	13	0.99
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	1	0.99
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	2	0.99
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	2	0.99
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	2	0.99
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	2	0.99
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	13	0.99
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	13	0.99
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	13	0.99
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	16	0.99
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	16	0.99
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	6	0.99
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	2	0.99
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	2	0.99
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	2	0.99
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	11	0.99
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	11	0.99
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	11	0.99
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	14	0.99
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	14	0.99
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	14	0.99
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	9	0.99
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	9	0.99
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	9	0.99
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	17	0.99
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	17	0.99
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	17	0.99
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	14	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	14	0.99
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	14	0.99
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	2	0.99
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	4	0.99
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	9	0.99
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	19	0.99
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	3	0.99
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	19	0.99
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	19	0.99
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	19	0.99
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	3	0.99
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	18	0.99
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	14	0.99
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	11	0.99
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	8	0.99
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	8	0.99
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	11	0.99
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	11	0.99
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	14	0.99
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	14	0.99
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	1	0.99
(1,294)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	1	0.99
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	10	0.99
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	11	0.99
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	13	0.99
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	17	0.99
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	6	0.99
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	18	0.99
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	5	0.99
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	8	0.99
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	11	0.99
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	20	0.99
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	11	0.99
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	5	0.99
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	6	0.99
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	7	0.98
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	13	0.98
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	20	0.98
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	4	0.98
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	9	0.98
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	10	0.98
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	15	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	19	0.98
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	18	0.98
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	18	0.98
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	18	0.98
(1,3854)	1:409:A:TYR:H	1:408:A:ASN:H	14	0.98
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	5	0.98
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	8	0.98
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	10	0.98
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	18	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	1	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	1	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	1	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	2	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	2	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	2	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	3	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	3	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	3	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	9	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	9	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	9	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	11	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	11	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	11	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	13	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	13	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	13	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	14	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	14	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	14	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	18	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	18	0.98
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	18	0.98
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	6	0.98
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	7	0.98
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	8	0.98
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	15	0.98
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	17	0.98
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	18	0.98
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	1	0.98
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	18	0.98
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	19	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	9	0.98
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	9	0.98
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	9	0.98
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	11	0.98
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	11	0.98
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	11	0.98
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	12	0.98
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	12	0.98
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	12	0.98
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	4	0.98
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	4	0.98
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	4	0.98
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	4	0.98
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	4	0.98
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	4	0.98
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	9	0.98
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	9	0.98
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	9	0.98
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	9	0.98
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	9	0.98
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	9	0.98
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	6	0.98
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	6	0.98
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	6	0.98
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	12	0.98
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	12	0.98
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	12	0.98
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	16	0.98
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	16	0.98
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	16	0.98
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	13	0.98
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	13	0.98
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	13	0.98
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	2	0.98
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	2	0.98
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	2	0.98
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	2	0.98
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	2	0.98
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	2	0.98
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	11	0.98
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	11	0.98
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	11	0.98
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	11	0.98
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	11	0.98
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	5	0.98
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	5	0.98
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	16	0.98
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	5	0.98
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	5	0.98
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	19	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	2	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	2	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	2	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	6	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	6	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	6	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	10	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	10	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	10	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	17	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	17	0.98
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	17	0.98
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	11	0.98
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	11	0.98
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	11	0.98
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	7	0.98
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	11	0.98
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	14	0.98
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	20	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	2	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	6	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	9	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	11	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	12	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	15	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	16	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	17	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	18	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	19	0.98
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	20	0.98
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	1	0.98
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	8	0.98
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2764)	1:372:A:LYS:HB3	1:372:A:LYS:HA	17	0.98
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	1	0.98
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	2	0.98
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	4	0.98
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	11	0.98
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	7	0.98
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	15	0.98
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	1	0.98
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	1	0.98
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	1	0.98
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	16	0.98
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	16	0.98
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	16	0.98
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	7	0.98
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	6	0.98
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	12	0.98
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	13	0.98
(1,2370)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	11	0.98
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	7	0.98
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	10	0.98
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	11	0.98
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	12	0.98
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	16	0.98
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	17	0.98
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	18	0.98
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	20	0.98
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	19	0.98
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	6	0.98
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	10	0.98
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	20	0.98
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	2	0.98
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	8	0.98
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	13	0.98
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	16	0.98
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	1	0.98
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	3	0.98
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	9	0.98
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	12	0.98
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	7	0.98
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	10	0.98
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	13	0.98
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	19	0.98
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	20	0.98
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	1	0.98
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	3	0.98
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	9	0.98
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	12	0.98
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	3	0.98
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	9	0.98
(1,1499)	1:342:A:ASP:HB3	1:341:A:GLU:HA	15	0.98
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	12	0.98
(1,1490)	1:465:A:VAL:HB	1:466:A:PHE:H	17	0.98
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	14	0.98
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	12	0.98
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	16	0.98
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	18	0.98
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	10	0.98
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	10	0.98
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	10	0.98
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	13	0.98
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	13	0.98
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	13	0.98
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	8	0.98
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	10	0.98
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	8	0.98
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	13	0.98
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	15	0.98
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	19	0.98
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	20	0.98
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	15	0.98
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	15	0.98
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	15	0.98
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	1	0.98
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	6	0.98
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	14	0.98
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	16	0.98
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	3	0.98
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	3	0.98
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	3	0.98
(1,975)	1:393:A:LEU:HD11	1:393:A:LEU:H	6	0.98
(1,975)	1:393:A:LEU:HD12	1:393:A:LEU:H	6	0.98
(1,975)	1:393:A:LEU:HD13	1:393:A:LEU:H	6	0.98
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	4	0.98
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	17	0.98
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	18	0.98
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	4	0.98
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	4	0.98
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	4	0.98
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	5	0.98
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	5	0.98
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	5	0.98
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	10	0.98
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	10	0.98
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	10	0.98
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	14	0.98
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	14	0.98
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	14	0.98
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	10	0.98
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	10	0.98
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	10	0.98
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	16	0.98
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	16	0.98
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	16	0.98
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	17	0.98
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	17	0.98
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	17	0.98
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	20	0.98
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	4	0.98
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	4	0.98
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	4	0.98
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	15	0.98
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	15	0.98
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	15	0.98
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	5	0.98
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	7	0.98
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	15	0.98
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	20	0.98
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	7	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	1	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	1	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	1	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	2	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	2	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	3	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	3	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	3	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	4	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	4	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	4	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	5	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	5	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	5	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	6	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	6	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	6	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	7	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	7	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	7	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	8	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	8	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	8	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	9	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	9	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	9	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	11	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	11	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	11	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	12	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	12	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	12	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	13	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	13	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	13	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	14	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	14	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	14	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	15	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	15	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	15	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	16	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	16	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	16	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	17	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	17	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	17	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	18	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	18	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	18	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD11	20	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD12	20	0.98
(1,538)	1:393:A:LEU:HG	1:393:A:LEU:HD13	20	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	2	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	4	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	6	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	9	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	10	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	11	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	13	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	14	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	15	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	16	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	17	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	19	0.98
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	20	0.98
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	2	0.98
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	3	0.98
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	4	0.98
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	9	0.98
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	10	0.98
(1,494)	1:464:A:LEU:HB2	1:464:A:LEU:H	13	0.98
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	1	0.98
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	1	0.98
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	7	0.98
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	7	0.98
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	17	0.98
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	17	0.98
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	20	0.98
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	20	0.98
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	1	0.98
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	4	0.98
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	6	0.98
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	7	0.98
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	8	0.98
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	10	0.98
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	20	0.98
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	15	0.98
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	3	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	5	0.98
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	9	0.98
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	12	0.98
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	16	0.98
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	19	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	1	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	2	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	3	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	7	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	8	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	12	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	13	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	15	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	16	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	17	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	19	0.98
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	20	0.98
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	16	0.98
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	1	0.98
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	2	0.98
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	16	0.98
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	15	0.98
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	3	0.98
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	3	0.98
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	16	0.98
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	18	0.97
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	18	0.97
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	11	0.97
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	12	0.97
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	10	0.97
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	14	0.97
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	14	0.97
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	14	0.97
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	8	0.97
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	19	0.97
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	2	0.97
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	2	0.97
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	2	0.97
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	14	0.97
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	14	0.97
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	14	0.97
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	9	0.97
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	9	0.97
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	10	0.97
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	10	0.97
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	10	0.97
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	5	0.97
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	13	0.97
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	14	0.97
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	5	0.97
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	5	0.97
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	5	0.97
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	6	0.97
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	6	0.97
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	6	0.97
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	14	0.97
(1,3703)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	20	0.97
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	4	0.97
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	3	0.97
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	13	0.97
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	15	0.97
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	2	0.97
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	6	0.97
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	10	0.97
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	17	0.97
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	20	0.97
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	15	0.97
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	15	0.97
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	15	0.97
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	9	0.97
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	9	0.97
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	9	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	1	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	1	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	1	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	1	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	1	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	1	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	5	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	5	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	5	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	5	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	5	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	5	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	8	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	8	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	8	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	8	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	8	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	8	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	15	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	15	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	15	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	15	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	15	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	15	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	20	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	20	0.97
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	20	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	20	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	20	0.97
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	20	0.97
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	4	0.97
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	4	0.97
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	7	0.97
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	7	0.97
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	8	0.97
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	8	0.97
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	10	0.97
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	10	0.97
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	15	0.97
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	15	0.97
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	7	0.97
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	7	0.97
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	17	0.97
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	17	0.97
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	7	0.97
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	7	0.97
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	8	0.97
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	8	0.97
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	14	0.97
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	14	0.97
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	15	0.97
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	18	0.97
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	1	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	1	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	1	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	3	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	3	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	3	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	4	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	4	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	4	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	8	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	8	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	8	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	9	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	9	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	9	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	11	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	11	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	11	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	12	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	12	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	12	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	18	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	18	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	18	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG21	19	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG22	19	0.97
(1,2941)	1:377:A:THR:HB	1:377:A:THR:HG23	19	0.97
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	20	0.97
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	1	0.97
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	2	0.97
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	6	0.97
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	10	0.97
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	12	0.97
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	13	0.97
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	17	0.97
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	1	0.97
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	3	0.97
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	4	0.97
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	5	0.97
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	7	0.97
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	8	0.97
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	10	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	13	0.97
(1,2814)	1:356:A:TYR:HA	1:356:A:TYR:HB2	14	0.97
(1,2790)	1:446:A:PRO:HD2	1:445:A:THR:HA	16	0.97
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	3	0.97
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	8	0.97
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	10	0.97
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	12	0.97
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	13	0.97
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	20	0.97
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	3	0.97
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	4	0.97
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	15	0.97
(1,2490)	1:372:A:LYS:HE2	1:372:A:LYS:HB3	17	0.97
(1,2370)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	5	0.97
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	14	0.97
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	18	0.97
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	4	0.97
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	19	0.97
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	2	0.97
(1,2295)	1:443:A:ILE:HG12	1:443:A:ILE:HB	13	0.97
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	4	0.97
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	12	0.97
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	17	0.97
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	2	0.97
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	4	0.97
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	7	0.97
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	8	0.97
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	10	0.97
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	12	0.97
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	17	0.97
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	18	0.97
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	20	0.97
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	3	0.97
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	9	0.97
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	15	0.97
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	5	0.97
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	8	0.97
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	4	0.97
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	6	0.97
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	8	0.97
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	19	0.97
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	6	0.97
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	8	0.97
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	19	0.97
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	8	0.97
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	14	0.97
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	11	0.97
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	17	0.97
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	19	0.97
(1,1478)	1:346:A:GLU:HB2	1:346:A:GLU:HA	20	0.97
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	1	0.97
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	1	0.97
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	1	0.97
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	8	0.97
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	8	0.97
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	8	0.97
(1,1301)	1:408:A:ASN:HA	1:408:A:ASN:HD21	14	0.97
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	2	0.97
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	6	0.97
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	7	0.97
(1,1191)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	10	0.97
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	14	0.97
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	14	0.97
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	14	0.97
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	12	0.97
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	18	0.97
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	4	0.97
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	12	0.97
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	12	0.97
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	18	0.97
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	18	0.97
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	13	0.97
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	4	0.97
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	19	0.97
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	4	0.97
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	4	0.97
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	4	0.97
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	2	0.97
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	2	0.97
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	2	0.97
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	5	0.97
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	5	0.97
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	5	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	8	0.97
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	8	0.97
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	8	0.97
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	12	0.97
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	12	0.97
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	12	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	1	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	2	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	3	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	4	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	6	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	7	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	8	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	9	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	10	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	11	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	12	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	13	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	15	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	16	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	17	0.97
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	18	0.97
(1,673)	1:440:A:HIS:HB3	1:440:A:HIS:HA	11	0.97
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	16	0.97
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	16	0.97
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	16	0.97
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	11	0.97
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	11	0.97
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	11	0.97
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	11	0.97
(1,601)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	16	0.97
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	5	0.97
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	11	0.97
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	1	0.97
(1,507)	1:380:A:GLY:HA3	1:381:A:VAL:H	12	0.97
(1,467)	1:433:A:LEU:HA	1:434:A:TRP:HB2	16	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	2	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	3	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	6	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	7	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	8	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	10	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	11	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	12	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	13	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	15	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	16	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	18	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	19	0.97
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	20	0.97
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	13	0.97
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	13	0.97
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	19	0.97
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	19	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	3	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	5	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	11	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	12	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	13	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	15	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	16	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	17	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	18	0.97
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	19	0.97
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	4	0.97
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	2	0.97
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	4	0.97
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	4	0.97
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	5	0.97
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	9	0.97
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	10	0.97
(1,201)	1:421:A:HIS:HA	1:421:A:HIS:HB3	11	0.97
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	1	0.97
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	1	0.97
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	3	0.97
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	4	0.97
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	5	0.97
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	6	0.97
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	12	0.97
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	14	0.97
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	18	0.97
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	19	0.97
(1,128)	1:389:A:GLU:HG2	1:389:A:GLU:HA	4	0.97
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	12	0.97
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	13	0.97
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	5	0.96
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	5	0.96
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	5	0.96
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	2	0.96
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	3	0.96
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	8	0.96
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	15	0.96
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	17	0.96
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	7	0.96
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	7	0.96
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	7	0.96
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	9	0.96
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	9	0.96
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	9	0.96
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	5	0.96
(1,4031)	1:380:A:GLY:H	1:465:A:VAL:HB	6	0.96
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	4	0.96
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	10	0.96
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	17	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	6	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	6	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	6	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	9	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	9	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	9	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	12	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	12	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	12	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	13	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	13	0.96
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	13	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	13	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	13	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	13	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	14	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	14	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	14	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	15	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	15	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	18	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	18	0.96
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	18	0.96
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	2	0.96
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	6	0.96
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	7	0.96
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	13	0.96
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	17	0.96
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	13	0.96
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	6	0.96
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	1	0.96
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	2	0.96
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	15	0.96
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	15	0.96
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	15	0.96
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD21	19	0.96
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD22	19	0.96
(1,3794)	1:349:A:LEU:H	1:349:A:LEU:HD23	19	0.96
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	16	0.96
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	19	0.96
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	9	0.96
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	10	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	1	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	4	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	5	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	7	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	8	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	9	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	11	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	12	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	13	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	14	0.96
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	16	0.96
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	3	0.96
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	3	0.96
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	3	0.96
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	3	0.96
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	3	0.96
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	3	0.96
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	6	0.96
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	6	0.96
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	6	0.96
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	6	0.96
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	6	0.96
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	13	0.96
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	13	0.96
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	13	0.96
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	13	0.96
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	13	0.96
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	13	0.96
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	1	0.96
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	1	0.96
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	1	0.96
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	2	0.96
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	2	0.96
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	2	0.96
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	18	0.96
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	18	0.96
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	18	0.96
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	17	0.96
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	17	0.96
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	17	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	3	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	3	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	3	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	3	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	3	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	3	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	12	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	12	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	12	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	12	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	12	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	12	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	14	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	14	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	14	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	14	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	14	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	14	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	18	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	18	0.96
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	18	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	18	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	18	0.96
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	18	0.96
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	1	0.96
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	1	0.96
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	2	0.96
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	2	0.96
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	3	0.96
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	3	0.96
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	6	0.96
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	6	0.96
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	13	0.96
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	13	0.96
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	14	0.96
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	14	0.96
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	18	0.96
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	18	0.96
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	11	0.96
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	11	0.96
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	16	0.96
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	16	0.96
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	17	0.96
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	17	0.96
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	12	0.96
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	16	0.96
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	20	0.96
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	5	0.96
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	13	0.96
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	4	0.96
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	8	0.96
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	9	0.96
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	18	0.96
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	14	0.96
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	5	0.96
(1,2762)	1:454:A:PHE:HB2	1:454:A:PHE:H	7	0.96
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	2	0.96
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	7	0.96
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	8	0.96
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	11	0.96
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	13	0.96
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	18	0.96
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	13	0.96
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	13	0.96
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	13	0.96
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	13	0.96
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	16	0.96
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	16	0.96
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	16	0.96
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD11	19	0.96
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD12	19	0.96
(1,2613)	1:349:A:LEU:HA	1:349:A:LEU:HD13	19	0.96
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	9	0.96
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	19	0.96
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	19	0.96
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	19	0.96
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	7	0.96
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	16	0.96
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	18	0.96
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	8	0.96
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	20	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	3	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	5	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	7	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	11	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	12	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	13	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	15	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	16	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	17	0.96
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	18	0.96
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	1	0.96
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	9	0.96
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	1	0.96
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	16	0.96
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	9	0.96
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	13	0.96
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	14	0.96
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	15	0.96
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	17	0.96
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	20	0.96
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	19	0.96
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	14	0.96
(1,1952)	1:443:A:ILE:HA	1:443:A:ILE:HG13	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1928)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	10	0.96
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	14	0.96
(1,1762)	1:443:A:ILE:HG13	1:443:A:ILE:HA	15	0.96
(1,1659)	1:372:A:LYS:HG2	1:372:A:LYS:H	17	0.96
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	1	0.96
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	9	0.96
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	20	0.96
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	4	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	3	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	6	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	7	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	8	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	9	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	13	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	15	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	16	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	17	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	19	0.96
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	20	0.96
(1,1058)	1:459:A:LYS:HA	1:459:A:LYS:HG3	18	0.96
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	13	0.96
(1,980)	1:379:A:ALA:HA	1:380:A:GLY:H	15	0.96
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	9	0.96
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	9	0.96
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	17	0.96
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	17	0.96
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	13	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	3	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	5	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	7	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	11	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	12	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	13	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	15	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	16	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	17	0.96
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	18	0.96
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	5	0.96
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	5	0.96
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	5	0.96
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	5	0.96
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	13	0.96
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	14	0.96
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	20	0.96
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	3	0.96
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	3	0.96
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	3	0.96
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	13	0.96
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	13	0.96
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	13	0.96
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	5	0.96
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	14	0.96
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	2	0.96
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	2	0.96
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	2	0.96
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	2	0.96
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	2	0.96
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	2	0.96
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	3	0.96
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	3	0.96
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	3	0.96
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	10	0.96
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	16	0.96
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	19	0.96
(1,368)	1:428:A:GLU:HA	1:428:A:GLU:HG3	13	0.96
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	4	0.96
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	5	0.96
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	9	0.96
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	14	0.96
(1,331)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	17	0.96
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	2	0.96
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	4	0.96
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	12	0.96
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	2	0.96
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	7	0.96
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	8	0.96
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	9	0.96
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	11	0.96
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	15	0.96
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	16	0.96
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	17	0.96
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	20	0.96
(1,168)	1:435:A:LYS:HE3	1:434:A:TRP:HH2	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	19	0.96
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	19	0.96
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	19	0.96
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	5	0.96
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	15	0.96
(1,4084)	1:460:A:GLY:H	1:461:A:THR:H	19	0.95
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	9	0.95
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	4	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	1	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	1	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	1	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	4	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	4	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	4	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	5	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	5	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	5	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	6	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	6	0.95
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	6	0.95
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	12	0.95
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	18	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	1	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	1	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	1	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	4	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	4	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	4	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	16	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	16	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	16	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	17	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	17	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	17	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	20	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	20	0.95
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	20	0.95
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	3	0.95
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	3	0.95
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	3	0.95
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	1	0.95
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	9	0.95
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	10	0.95
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	14	0.95
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	15	0.95
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	18	0.95
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	20	0.95
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	9	0.95
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	16	0.95
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	3	0.95
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	4	0.95
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	9	0.95
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	17	0.95
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	5	0.95
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	11	0.95
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	7	0.95
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	8	0.95
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	10	0.95
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	11	0.95
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	18	0.95
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	3	0.95
(1,3508)	1:456:A:MET:H	1:456:A:MET:HG2	15	0.95
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	1	0.95
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	1	0.95
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	1	0.95
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	4	0.95
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	4	0.95
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	4	0.95
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	13	0.95
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	13	0.95
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	13	0.95
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	2	0.95
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	2	0.95
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	2	0.95
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	2	0.95
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	2	0.95
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	2	0.95
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	7	0.95
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	7	0.95
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	7	0.95
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	7	0.95
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	7	0.95
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	8	0.95
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	8	0.95
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	8	0.95
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	8	0.95
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	8	0.95
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	8	0.95
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	3	0.95
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	3	0.95
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	3	0.95
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	20	0.95
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	20	0.95
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	20	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	4	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	4	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	4	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	4	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	4	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	4	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	6	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	6	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	6	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	6	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	6	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	6	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	7	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	7	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	7	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	7	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	7	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	7	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	9	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	9	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	9	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	9	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	9	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	9	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	13	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	13	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	13	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	13	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	13	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	13	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	16	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	16	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	16	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	16	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	16	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	16	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	17	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	17	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	17	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	17	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	17	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	17	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD11	19	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD12	19	0.95
(1,3309)	1:403:A:TYR:HD1	1:393:A:LEU:HD13	19	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD11	19	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD12	19	0.95
(1,3309)	1:403:A:TYR:HD2	1:393:A:LEU:HD13	19	0.95
(1,3267)	1:466:A:PHE:HE1	1:466:A:PHE:HA	9	0.95
(1,3267)	1:466:A:PHE:HE2	1:466:A:PHE:HA	9	0.95
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	6	0.95
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	6	0.95
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	19	0.95
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	19	0.95
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	3	0.95
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	3	0.95
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	12	0.95
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	12	0.95
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	19	0.95
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	19	0.95
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	20	0.95
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	20	0.95
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	17	0.95
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	19	0.95
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	7	0.95
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	8	0.95
(1,2988)	1:458:A:GLU:HG3	1:458:A:GLU:H	18	0.95
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	17	0.95
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	17	0.95
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	17	0.95
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	3	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	5	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	6	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	7	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	8	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	10	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	11	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	13	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	15	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	16	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	17	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	18	0.95
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	20	0.95
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	3	0.95
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	3	0.95
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	9	0.95
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	12	0.95
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	7	0.95
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	12	0.95
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	16	0.95
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	17	0.95
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	19	0.95
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	19	0.95
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	6	0.95
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	6	0.95
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	6	0.95
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	8	0.95
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	8	0.95
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	8	0.95
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	9	0.95
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	9	0.95
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	9	0.95
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	10	0.95
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	10	0.95
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	10	0.95
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	1	0.95
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	5	0.95
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	8	0.95
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	9	0.95
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	10	0.95
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	14	0.95
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	15	0.95
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	17	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	4	0.95
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	4	0.95
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	4	0.95
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	2	0.95
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	6	0.95
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	19	0.95
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	1	0.95
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	2	0.95
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	6	0.95
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	8	0.95
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	10	0.95
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	14	0.95
(1,2334)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	20	0.95
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	5	0.95
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	5	0.95
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	5	0.95
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	3	0.95
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	4	0.95
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	6	0.95
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	12	0.95
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	13	0.95
(1,2119)	1:364:A:LEU:HB2	1:356:A:TYR:HB2	19	0.95
(1,2091)	1:433:A:LEU:HG	1:433:A:LEU:HB3	3	0.95
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	6	0.95
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	10	0.95
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	12	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	1	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	1	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	1	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	2	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	2	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	2	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	4	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	4	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	4	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	6	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	6	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	6	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	7	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	7	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	7	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	8	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	8	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	8	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	9	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	9	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	9	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	10	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	10	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	10	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	11	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	11	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	11	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	12	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	12	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	12	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	13	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	13	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	13	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	17	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	17	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	17	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	18	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	18	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	18	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	19	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	19	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	19	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	20	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	20	0.95
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	20	0.95
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	2	0.95
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	19	0.95
(1,1486)	1:432:A:ASP:HB3	1:432:A:ASP:H	6	0.95
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	3	0.95
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	5	0.95
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	9	0.95
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	11	0.95
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	12	0.95
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	18	0.95
(1,1182)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	5	0.95
(1,1182)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	8	0.95
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	13	0.95
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	13	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	13	0.95
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	1	0.95
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	2	0.95
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	4	0.95
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	5	0.95
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	11	0.95
(1,1085)	1:393:A:LEU:HB3	1:393:A:LEU:HA	14	0.95
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	5	0.95
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	14	0.95
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	2	0.95
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	2	0.95
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	3	0.95
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	8	0.95
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	15	0.95
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	6	0.95
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	11	0.95
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	17	0.95
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	19	0.95
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	1	0.95
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	2	0.95
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	6	0.95
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	8	0.95
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	10	0.95
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	14	0.95
(1,927)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	20	0.95
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD11	15	0.95
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD12	15	0.95
(1,917)	1:413:A:ILE:HB	1:413:A:ILE:HD13	15	0.95
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	2	0.95
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	3	0.95
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	8	0.95
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	9	0.95
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	16	0.95
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	19	0.95
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	6	0.95
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	6	0.95
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	6	0.95
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	14	0.95
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	14	0.95
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	14	0.95
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	18	0.95
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	18	0.95
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	19	0.95
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	19	0.95
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	19	0.95
(1,691)	1:421:A:HIS:HA	1:421:A:HIS:HB2	19	0.95
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	5	0.95
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	5	0.95
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	5	0.95
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	13	0.95
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	13	0.95
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	13	0.95
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	20	0.95
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	20	0.95
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	20	0.95
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	2	0.95
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	4	0.95
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	12	0.95
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	1	0.95
(1,543)	1:448:A:SER:HB2	1:449:A:VAL:HA	3	0.95
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	14	0.95
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	10	0.95
(1,188)	1:393:A:LEU:HB3	1:393:A:LEU:HD11	10	0.95
(1,188)	1:393:A:LEU:HB3	1:393:A:LEU:HD12	10	0.95
(1,188)	1:393:A:LEU:HB3	1:393:A:LEU:HD13	10	0.95
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	6	0.95
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	8	0.95
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	10	0.95
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	11	0.95
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	13	0.95
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	14	0.95
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	19	0.95
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	20	0.95
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	10	0.95
(1,169)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	13	0.95
(1,148)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	6	0.95
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	6	0.95
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	6	0.95
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	6	0.95
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	7	0.95
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	6	0.94
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	6	0.94
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	6	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	10	0.94
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	10	0.94
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	10	0.94
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	15	0.94
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	15	0.94
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	15	0.94
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	16	0.94
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	16	0.94
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	16	0.94
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	18	0.94
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	18	0.94
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	18	0.94
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	3	0.94
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	13	0.94
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	15	0.94
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	20	0.94
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	9	0.94
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	11	0.94
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	3	0.94
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	3	0.94
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	3	0.94
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	15	0.94
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	15	0.94
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	15	0.94
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	5	0.94
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	6	0.94
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	11	0.94
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	13	0.94
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	15	0.94
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	8	0.94
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	8	0.94
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	8	0.94
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	10	0.94
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	10	0.94
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	10	0.94
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	7	0.94
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	7	0.94
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	7	0.94
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	8	0.94
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	8	0.94
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	8	0.94
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	8	0.94
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	11	0.94
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	12	0.94
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	16	0.94
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	2	0.94
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	4	0.94
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	13	0.94
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	17	0.94
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	15	0.94
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	16	0.94
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	5	0.94
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	5	0.94
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	19	0.94
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	19	0.94
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	19	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	9	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	9	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	9	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	13	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	13	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	13	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	17	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	17	0.94
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	17	0.94
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	18	0.94
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	18	0.94
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	18	0.94
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	6	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	1	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	1	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	2	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	2	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	3	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	3	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	5	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	5	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	9	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	9	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	10	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	10	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	11	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	12	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	12	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	13	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	13	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	17	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	17	0.94
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	20	0.94
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	20	0.94
(1,3240)	1:440:A:HIS:HD2	1:439:A:SER:HB3	15	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	1	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	1	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	4	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	4	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	6	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	6	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	10	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	10	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	13	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	13	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	15	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	15	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	18	0.94
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	18	0.94
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	11	0.94
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	2	0.94
(1,2903)	1:347:A:VAL:HG11	1:348:A:ASP:H	16	0.94
(1,2903)	1:347:A:VAL:HG12	1:348:A:ASP:H	16	0.94
(1,2903)	1:347:A:VAL:HG13	1:348:A:ASP:H	16	0.94
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	18	0.94
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	1	0.94
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	2	0.94
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	4	0.94
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	9	0.94
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	12	0.94
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	14	0.94
(1,2783)	1:351:A:ASN:HB2	1:351:A:ASN:HB3	19	0.94
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	4	0.94
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	7	0.94
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	11	0.94
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	12	0.94
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	19	0.94
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	20	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	2	0.94
(1,2707)	1:388:A:GLU:HB2	1:388:A:GLU:H	16	0.94
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	5	0.94
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	6	0.94
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	10	0.94
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	14	0.94
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	15	0.94
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	17	0.94
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	19	0.94
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	18	0.94
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	17	0.94
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	17	0.94
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	17	0.94
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	20	0.94
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	20	0.94
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	20	0.94
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	11	0.94
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	2	0.94
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	3	0.94
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	4	0.94
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	6	0.94
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	11	0.94
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	12	0.94
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	19	0.94
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	20	0.94
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	2	0.94
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	8	0.94
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	9	0.94
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	16	0.94
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	17	0.94
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	3	0.94
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	4	0.94
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	10	0.94
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	16	0.94
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	17	0.94
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	3	0.94
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	3	0.94
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	3	0.94
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	19	0.94
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	19	0.94
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	19	0.94
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	5	0.94
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	7	0.94
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	8	0.94
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	10	0.94
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	11	0.94
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	18	0.94
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	20	0.94
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	4	0.94
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	14	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	3	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	3	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	3	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	5	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	5	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	5	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	14	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	14	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	14	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	15	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	15	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	15	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD11	16	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD12	16	0.94
(1,1956)	1:345:A:ILE:HG12	1:345:A:ILE:HD13	16	0.94
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	15	0.94
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	3	0.94
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	6	0.94
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	17	0.94
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	1	0.94
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	1	0.94
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	1	0.94
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	3	0.94
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	3	0.94
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	3	0.94
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	2	0.94
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	10	0.94
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	15	0.94
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	16	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	1	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	1	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	1	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	5	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	5	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	14	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	14	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	14	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	15	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	15	0.94
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	15	0.94
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	13	0.94
(1,1105)	1:341:A:GLU:HB2	1:341:A:GLU:H	2	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	3	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	3	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	3	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	5	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	5	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	5	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	9	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	9	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	9	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	11	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	11	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	11	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	16	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	16	0.94
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	16	0.94
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	16	0.94
(1,1004)	1:422:A:ASP:HB3	1:422:A:ASP:HA	14	0.94
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	6	0.94
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	6	0.94
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	14	0.94
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	5	0.94
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	8	0.94
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	9	0.94
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	10	0.94
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	12	0.94
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	16	0.94
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	18	0.94
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	1	0.94
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	1	0.94
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	1	0.94
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	2	0.94
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	2	0.94
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	7	0.94
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	7	0.94
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	7	0.94
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	8	0.94
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	8	0.94
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	8	0.94
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	1	0.94
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	2	0.94
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	5	0.94
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	9	0.94
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	10	0.94
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	11	0.94
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	12	0.94
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	15	0.94
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	19	0.94
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	1	0.94
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	4	0.94
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	7	0.94
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	11	0.94
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	12	0.94
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	15	0.94
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	17	0.94
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	18	0.94
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	1	0.94
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	1	0.94
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	1	0.94
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	11	0.94
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	11	0.94
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	11	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	1	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	2	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	3	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	4	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	5	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	6	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	7	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	8	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	9	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	10	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	11	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	12	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	13	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	14	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	15	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	16	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	17	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	18	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	19	0.94
(1,728)	1:354:A:MET:HG2	1:354:A:MET:HG3	20	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	6	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	6	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	6	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	8	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	8	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	8	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	9	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	9	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	9	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	17	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	17	0.94
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	17	0.94
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	19	0.94
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	4	0.94
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	18	0.94
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	6	0.94
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	6	0.94
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	6	0.94
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	10	0.94
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	10	0.94
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	10	0.94
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	4	0.94
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	4	0.94
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	6	0.94
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	6	0.94
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	5	0.94
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	2	0.94
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	7	0.94
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	9	0.94
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	15	0.94
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	17	0.94
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	18	0.94
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	11	0.93
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	11	0.93
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	14	0.93
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	14	0.93
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	14	0.93
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	18	0.93
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	18	0.93
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	18	0.93
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	13	0.93
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	13	0.93
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	13	0.93
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	6	0.93
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	14	0.93
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	18	0.93
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	3	0.93
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	17	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	11	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	11	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	11	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	13	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	13	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	13	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	16	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	16	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	16	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	17	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	17	0.93
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	17	0.93
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	2	0.93
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	3	0.93
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	8	0.93
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	14	0.93
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	20	0.93
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	4	0.93
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	4	0.93
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	4	0.93
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	3	0.93
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	16	0.93
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	2	0.93
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	3	0.93
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	9	0.93
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	14	0.93
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	5	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	5	0.93
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	5	0.93
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	15	0.93
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	15	0.93
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	15	0.93
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	7	0.93
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	11	0.93
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	7	0.93
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	2	0.93
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	2	0.93
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	2	0.93
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	16	0.93
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	16	0.93
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	16	0.93
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	20	0.93
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	20	0.93
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	20	0.93
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	17	0.93
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	17	0.93
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	17	0.93
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	17	0.93
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	17	0.93
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	17	0.93
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	5	0.93
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	5	0.93
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	5	0.93
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	8	0.93
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	8	0.93
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	8	0.93
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	14	0.93
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	14	0.93
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	14	0.93
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	3	0.93
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	3	0.93
(1,3351)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	3	0.93
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	7	0.93
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	7	0.93
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	8	0.93
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	8	0.93
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	14	0.93
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	14	0.93
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	15	0.93
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	16	0.93
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	16	0.93
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	19	0.93
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	19	0.93
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	2	0.93
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	2	0.93
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	9	0.93
(1,3066)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	9	0.93
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	7	0.93
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	10	0.93
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	14	0.93
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	18	0.93
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	16	0.93
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	1	0.93
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	5	0.93
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	9	0.93
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	10	0.93
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	13	0.93
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	15	0.93
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	16	0.93
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	17	0.93
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	5	0.93
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	9	0.93
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	14	0.93
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	4	0.93
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	4	0.93
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	4	0.93
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	5	0.93
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	5	0.93
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	5	0.93
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	11	0.93
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	11	0.93
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	11	0.93
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	12	0.93
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	12	0.93
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	12	0.93
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	15	0.93
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	15	0.93
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	15	0.93
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	18	0.93
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	18	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	18	0.93
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	14	0.93
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	16	0.93
(1,2445)	1:434:A:TRP:HA	1:434:A:TRP:HB2	13	0.93
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	1	0.93
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	3	0.93
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	7	0.93
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	13	0.93
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	15	0.93
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	19	0.93
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	13	0.93
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	13	0.93
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	13	0.93
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	14	0.93
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	14	0.93
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	14	0.93
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	1	0.93
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	5	0.93
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	9	0.93
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	11	0.93
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	18	0.93
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	18	0.93
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	18	0.93
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	17	0.93
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	17	0.93
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	17	0.93
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	15	0.93
(1,2078)	1:348:A:ASP:HB3	1:348:A:ASP:H	14	0.93
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	2	0.93
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	10	0.93
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	16	0.93
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	16	0.93
(1,1746)	1:346:A:GLU:HA	1:464:A:LEU:H	1	0.93
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	1	0.93
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	11	0.93
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	13	0.93
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	16	0.93
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	17	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	2	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	2	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	2	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	3	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	3	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	3	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	4	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	4	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	4	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	6	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	6	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	6	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	7	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	7	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	7	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	8	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	8	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	8	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	9	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	9	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	9	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	10	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	10	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	10	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	11	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	11	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	11	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	13	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	13	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	13	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	16	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	16	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	16	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	17	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	17	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	17	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	18	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	18	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	18	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	20	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	20	0.93
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	20	0.93
(1,1339)	1:407:A:VAL:HG21	1:391:A:ALA:H	4	0.93
(1,1339)	1:407:A:VAL:HG22	1:391:A:ALA:H	4	0.93
(1,1339)	1:407:A:VAL:HG23	1:391:A:ALA:H	4	0.93
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	7	0.93
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	11	0.93
(1,1300)	1:439:A:SER:HB3	1:439:A:SER:HA	20	0.93
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	5	0.93
(1,1182)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	20	0.93
(1,1105)	1:341:A:GLU:HB2	1:341:A:GLU:H	12	0.93
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	2	0.93
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	2	0.93
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	2	0.93
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	17	0.93
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	17	0.93
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	17	0.93
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	20	0.93
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	20	0.93
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	20	0.93
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	12	0.93
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	17	0.93
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	1	0.93
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	4	0.93
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	13	0.93
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	17	0.93
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	3	0.93
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	3	0.93
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	14	0.93
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	14	0.93
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	15	0.93
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	15	0.93
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	17	0.93
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	1	0.93
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	2	0.93
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	3	0.93
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	4	0.93
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	14	0.93
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	15	0.93
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	20	0.93
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	2	0.93
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	3	0.93
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	3	0.93
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	3	0.93
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	3	0.93
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	8	0.93
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	13	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	14	0.93
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	16	0.93
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	17	0.93
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	20	0.93
(1,781)	1:375:A:THR:HA	1:376:A:PRO:HD2	6	0.93
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	20	0.93
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	20	0.93
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	20	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	1	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	1	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	1	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	7	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	7	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	7	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	16	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	16	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	16	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	19	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	19	0.93
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	19	0.93
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	9	0.93
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	10	0.93
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	13	0.93
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	9	0.93
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	10	0.93
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	11	0.93
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	12	0.93
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	13	0.93
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	17	0.93
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	19	0.93
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	16	0.93
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	11	0.93
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	11	0.93
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	11	0.93
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	14	0.93
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	14	0.93
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	14	0.93
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	18	0.93
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	18	0.93
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	18	0.93
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	2	0.93
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	2	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	9	0.93
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	9	0.93
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	18	0.93
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	18	0.93
(1,295)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	9	0.93
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	8	0.93
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	9	0.93
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	13	0.93
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	16	0.93
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	18	0.93
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	3	0.93
(1,187)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	5	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	1	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	2	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	3	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	4	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	5	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	6	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	7	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	8	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	9	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	10	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	11	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	12	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	14	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	15	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	16	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	17	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	18	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	19	0.93
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	20	0.93
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	16	0.93
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	16	0.93
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	16	0.93
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	14	0.93
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	5	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	5	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	5	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	12	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	12	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	12	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	15	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	15	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	19	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	19	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	19	0.92
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	20	0.92
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	20	0.92
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	20	0.92
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	3	0.92
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	3	0.92
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	3	0.92
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	1	0.92
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	4	0.92
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	16	0.92
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	2	0.92
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	2	0.92
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	2	0.92
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	19	0.92
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	19	0.92
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	19	0.92
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	11	0.92
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	11	0.92
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	11	0.92
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	1	0.92
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	1	0.92
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	1	0.92
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	2	0.92
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	2	0.92
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	2	0.92
(1,3979)	1:364:A:LEU:H	1:363:A:ALA:H	19	0.92
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	20	0.92
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	11	0.92
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	14	0.92
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	15	0.92
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	11	0.92
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	12	0.92
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	20	0.92
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	18	0.92
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	4	0.92
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	5	0.92
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	12	0.92
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	8	0.92
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	10	0.92
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	4	0.92
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	12	0.92
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	12	0.92
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	12	0.92
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	12	0.92
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	12	0.92
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	12	0.92
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	14	0.92
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	14	0.92
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	14	0.92
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	14	0.92
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	14	0.92
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	14	0.92
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	7	0.92
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	7	0.92
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	7	0.92
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	11	0.92
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	11	0.92
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	11	0.92
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	2	0.92
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	3	0.92
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	10	0.92
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	15	0.92
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	20	0.92
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	13	0.92
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	13	0.92
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	15	0.92
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	15	0.92
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	4	0.92
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	4	0.92
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	1	0.92
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	2	0.92
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	4	0.92
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	5	0.92
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	8	0.92
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	9	0.92
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	13	0.92
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	15	0.92
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	9	0.92
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	2	0.92
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	8	0.92
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	1	0.92
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	8	0.92
(1,2650)	1:427:A:PRO:HB3	1:428:A:GLU:HA	13	0.92
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	3	0.92
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	3	0.92
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	3	0.92
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	14	0.92
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	14	0.92
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	14	0.92
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	6	0.92
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	12	0.92
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	18	0.92
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	20	0.92
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	1	0.92
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	1	0.92
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	1	0.92
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	7	0.92
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	12	0.92
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	6	0.92
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	6	0.92
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	6	0.92
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	8	0.92
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	8	0.92
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	8	0.92
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	10	0.92
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	10	0.92
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	10	0.92
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	11	0.92
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	11	0.92
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	11	0.92
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	17	0.92
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	17	0.92
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	17	0.92
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	20	0.92
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	20	0.92
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	20	0.92
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	16	0.92
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	17	0.92
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	13	0.92
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	2	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	19	0.92
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	20	0.92
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	11	0.92
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	14	0.92
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	17	0.92
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	7	0.92
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	11	0.92
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	19	0.92
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	20	0.92
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	3	0.92
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	1	0.92
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	1	0.92
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	1	0.92
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	16	0.92
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	16	0.92
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	16	0.92
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	14	0.92
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	18	0.92
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	14	0.92
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	14	0.92
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	14	0.92
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	12	0.92
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	13	0.92
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	16	0.92
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	2	0.92
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	9	0.92
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	14	0.92
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	17	0.92
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	20	0.92
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	12	0.92
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	12	0.92
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	12	0.92
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	6	0.92
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	6	0.92
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	9	0.92
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	12	0.92
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	12	0.92
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	12	0.92
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD21	19	0.92
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD22	19	0.92
(1,1381)	1:349:A:LEU:HG	1:349:A:LEU:HD23	19	0.92
(1,1249)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	17	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	14	0.92
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	16	0.92
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	5	0.92
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	5	0.92
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	5	0.92
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	5	0.92
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	5	0.92
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	5	0.92
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	19	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	4	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	4	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	4	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	8	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	8	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	8	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	10	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	10	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	10	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG21	18	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG22	18	0.92
(1,1087)	1:400:A:GLY:HA2	1:396:A:THR:HG23	18	0.92
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	1	0.92
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	1	0.92
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	1	0.92
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	5	0.92
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	5	0.92
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	5	0.92
(1,1060)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	12	0.92
(1,1044)	1:448:A:SER:HB2	1:447:A:PRO:HA	2	0.92
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	13	0.92
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	2	0.92
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	9	0.92
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	15	0.92
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	14	0.92
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	10	0.92
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	10	0.92
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	7	0.92
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	12	0.92
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	4	0.92
(1,928)	1:401:A:THR:HA	1:401:A:THR:HB	7	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	1	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	3	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	5	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	6	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	7	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	9	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	10	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	11	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	12	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	13	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	14	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	15	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	17	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	18	0.92
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	19	0.92
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	9	0.92
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	9	0.92
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	9	0.92
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	4	0.92
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	6	0.92
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	7	0.92
(1,843)	1:344:A:TYR:HB2	1:344:A:TYR:HA	18	0.92
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	4	0.92
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	19	0.92
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	15	0.92
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	15	0.92
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	15	0.92
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	15	0.92
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	15	0.92
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	15	0.92
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	15	0.92
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	15	0.92
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	15	0.92
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	19	0.92
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	3	0.92
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	3	0.92
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	7	0.92
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	7	0.92
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	15	0.92
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	15	0.92
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	20	0.92
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	20	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	1	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	2	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	3	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	4	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	5	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	6	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	7	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	8	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	14	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	15	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	16	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	18	0.92
(1,430)	1:354:A:MET:HB2	1:354:A:MET:HG2	20	0.92
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	1	0.92
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	3	0.92
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	10	0.92
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	5	0.92
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	5	0.92
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	5	0.92
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	12	0.92
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	12	0.92
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	12	0.92
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	15	0.92
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	15	0.92
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	15	0.92
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	19	0.92
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	19	0.92
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	19	0.92
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	12	0.92
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	12	0.92
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	15	0.92
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	15	0.92
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	19	0.92
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	3	0.92
(1,137)	1:354:A:MET:HB3	1:354:A:MET:HA	13	0.92
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	7	0.92
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	7	0.92
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	7	0.92
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	1	0.92
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	18	0.92
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	1	0.91
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	1	0.91
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	1	0.91
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	1	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	7	0.91
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	19	0.91
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	8	0.91
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	8	0.91
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	8	0.91
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	10	0.91
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	10	0.91
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	10	0.91
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	18	0.91
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	18	0.91
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	18	0.91
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	7	0.91
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	16	0.91
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	1	0.91
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	9	0.91
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	19	0.91
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	7	0.91
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	12	0.91
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	20	0.91
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	17	0.91
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	4	0.91
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	10	0.91
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	10	0.91
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	16	0.91
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	16	0.91
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	16	0.91
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	18	0.91
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	18	0.91
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	18	0.91
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	19	0.91
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	1	0.91
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	17	0.91
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	1	0.91
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	1	0.91
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	1	0.91
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	1	0.91
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	1	0.91
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	1	0.91
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	18	0.91
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	18	0.91
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	18	0.91
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	18	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	18	0.91
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	18	0.91
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	19	0.91
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	19	0.91
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	19	0.91
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	19	0.91
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	19	0.91
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	19	0.91
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	4	0.91
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	4	0.91
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	4	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	1	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	4	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	5	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	7	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	8	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	9	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	11	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	12	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	14	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	16	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	17	0.91
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	18	0.91
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	5	0.91
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	5	0.91
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	20	0.91
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	20	0.91
(1,3252)	1:344:A:TYR:HE1	1:344:A:TYR:HA	18	0.91
(1,3252)	1:344:A:TYR:HE2	1:344:A:TYR:HA	18	0.91
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	19	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	7	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	10	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	11	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	12	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	13	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	15	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	16	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	17	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	19	0.91
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	20	0.91
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	7	0.91
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	3	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3030)	1:348:A:ASP:HA	1:349:A:LEU:H	6	0.91
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	1	0.91
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	6	0.91
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	4	0.91
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	3	0.91
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	14	0.91
(1,2773)	1:344:A:TYR:HB2	1:345:A:ILE:H	6	0.91
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	11	0.91
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	11	0.91
(1,2656)	1:459:A:LYS:HG2	1:459:A:LYS:HE3	6	0.91
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	2	0.91
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	2	0.91
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	2	0.91
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	2	0.91
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	14	0.91
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	14	0.91
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	15	0.91
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	19	0.91
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	5	0.91
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	5	0.91
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	5	0.91
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	5	0.91
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	1	0.91
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	1	0.91
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	1	0.91
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	4	0.91
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	4	0.91
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	4	0.91
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	7	0.91
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	7	0.91
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	7	0.91
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	12	0.91
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	12	0.91
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	12	0.91
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	14	0.91
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	14	0.91
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	14	0.91
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	15	0.91
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	15	0.91
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	15	0.91
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	16	0.91
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	16	0.91
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	11	0.91
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	11	0.91
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	11	0.91
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	16	0.91
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	16	0.91
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	16	0.91
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	19	0.91
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	19	0.91
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	19	0.91
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	16	0.91
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	9	0.91
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	17	0.91
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	13	0.91
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	14	0.91
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	1	0.91
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	6	0.91
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	7	0.91
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	8	0.91
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	12	0.91
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	13	0.91
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	16	0.91
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	18	0.91
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	2	0.91
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	3	0.91
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	5	0.91
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	7	0.91
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	8	0.91
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	9	0.91
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	12	0.91
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	15	0.91
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	20	0.91
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	8	0.91
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	12	0.91
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	13	0.91
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	16	0.91
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	18	0.91
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	11	0.91
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	11	0.91
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	11	0.91
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	19	0.91
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	19	0.91
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	2	0.91
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	17	0.91
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	15	0.91
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	15	0.91
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	15	0.91
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	18	0.91
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	18	0.91
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	18	0.91
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	13	0.91
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	3	0.91
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	5	0.91
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	6	0.91
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	10	0.91
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	11	0.91
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	13	0.91
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	16	0.91
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	8	0.91
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	8	0.91
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	8	0.91
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	9	0.91
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	9	0.91
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	9	0.91
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	8	0.91
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	14	0.91
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	15	0.91
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	17	0.91
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	14	0.91
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	14	0.91
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	14	0.91
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	3	0.91
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	6	0.91
(1,1301)	1:408:A:ASN:HA	1:408:A:ASN:HD21	11	0.91
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	20	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	1	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	3	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	4	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	5	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	7	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	8	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	10	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	12	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	15	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	17	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	19	0.91
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	20	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	7	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	7	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	7	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	7	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	7	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	7	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	8	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	8	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	8	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	8	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	8	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	8	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	11	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	11	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	11	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	11	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	11	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	11	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	14	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	14	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	14	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	14	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	14	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	14	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	16	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	16	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	16	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	16	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	16	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	16	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	17	0.91
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	17	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	17	0.91
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	17	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	17	0.91
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	17	0.91
(1,1105)	1:341:A:GLU:HB2	1:341:A:GLU:H	7	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:341:A:GLU:HB2	1:341:A:GLU:H	13	0.91
(1,1105)	1:341:A:GLU:HB2	1:341:A:GLU:H	16	0.91
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	15	0.91
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	15	0.91
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	15	0.91
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	16	0.91
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	16	0.91
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	16	0.91
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	1	0.91
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	3	0.91
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	4	0.91
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	5	0.91
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	8	0.91
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	10	0.91
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	14	0.91
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	9	0.91
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	6	0.91
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	18	0.91
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	7	0.91
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	7	0.91
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	7	0.91
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	13	0.91
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	13	0.91
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	1	0.91
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	4	0.91
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	6	0.91
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	2	0.91
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	4	0.91
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	8	0.91
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	16	0.91
(1,904)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	20	0.91
(1,877)	1:407:A:VAL:HG11	1:393:A:LEU:HD21	10	0.91
(1,877)	1:407:A:VAL:HG11	1:393:A:LEU:HD22	10	0.91
(1,877)	1:407:A:VAL:HG11	1:393:A:LEU:HD23	10	0.91
(1,877)	1:407:A:VAL:HG12	1:393:A:LEU:HD21	10	0.91
(1,877)	1:407:A:VAL:HG12	1:393:A:LEU:HD22	10	0.91
(1,877)	1:407:A:VAL:HG12	1:393:A:LEU:HD23	10	0.91
(1,877)	1:407:A:VAL:HG13	1:393:A:LEU:HD21	10	0.91
(1,877)	1:407:A:VAL:HG13	1:393:A:LEU:HD22	10	0.91
(1,877)	1:407:A:VAL:HG13	1:393:A:LEU:HD23	10	0.91
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	2	0.91
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	6	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	18	0.91
(1,777)	1:362:A:VAL:HG11	1:361:A:LYS:HB3	7	0.91
(1,777)	1:362:A:VAL:HG12	1:361:A:LYS:HB3	7	0.91
(1,777)	1:362:A:VAL:HG13	1:361:A:LYS:HB3	7	0.91
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	10	0.91
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	12	0.91
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	12	0.91
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	12	0.91
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	7	0.91
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	13	0.91
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	14	0.91
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	5	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	1	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	1	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	5	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	5	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	10	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	10	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	11	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	11	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	12	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	12	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	14	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	14	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	17	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	17	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	18	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	18	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	19	0.91
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	19	0.91
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	19	0.91
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	1	0.91
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	1	0.91
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	1	0.91
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	1	0.91
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	4	0.91
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	5	0.91
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	10	0.91
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	16	0.91
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	18	0.91
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	10	0.91
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	6	0.91
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	14	0.91
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	1	0.91
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	7	0.91
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	11	0.91
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	15	0.91
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	16	0.91
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	17	0.91
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	18	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	1	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	2	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	3	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	5	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	6	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	7	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	9	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	10	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	11	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	12	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	13	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	16	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	17	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	18	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	19	0.91
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	20	0.91
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	4	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	4	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	4	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	16	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	16	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	16	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	20	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	20	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	20	0.9
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	6	0.9
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	6	0.9
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	6	0.9
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	9	0.9
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	9	0.9
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	9	0.9
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	14	0.9
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	14	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	14	0.9
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	7	0.9
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	5	0.9
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	6	0.9
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	16	0.9
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	12	0.9
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	12	0.9
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	12	0.9
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG21	20	0.9
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG22	20	0.9
(1,4044)	1:410:A:TRP:H	1:407:A:VAL:HG23	20	0.9
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	1	0.9
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	19	0.9
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	19	0.9
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	19	0.9
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	6	0.9
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	6	0.9
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	6	0.9
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	8	0.9
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	15	0.9
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	5	0.9
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	3	0.9
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	6	0.9
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	8	0.9
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	15	0.9
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	2	0.9
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	17	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	1	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	1	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	1	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	3	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	3	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	3	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	6	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	6	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	6	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	9	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	9	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	9	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	12	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	12	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	13	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	13	0.9
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	13	0.9
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	3	0.9
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	4	0.9
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	8	0.9
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	9	0.9
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	8	0.9
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	8	0.9
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	8	0.9
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	15	0.9
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	15	0.9
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	15	0.9
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	15	0.9
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	15	0.9
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	15	0.9
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	16	0.9
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	16	0.9
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	16	0.9
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	16	0.9
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	16	0.9
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	16	0.9
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	13	0.9
(1,3338)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	19	0.9
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	9	0.9
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	9	0.9
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	19	0.9
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	19	0.9
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	1	0.9
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	2	0.9
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	3	0.9
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	4	0.9
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	5	0.9
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	6	0.9
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	8	0.9
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	9	0.9
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	14	0.9
(1,3124)	1:456:A:MET:HB2	1:456:A:MET:HG3	18	0.9
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	15	0.9
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	20	0.9
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	1	0.9
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	1	0.9
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	3	0.9
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	14	0.9
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	20	0.9
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	2	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	1	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	4	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	6	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	9	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	11	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	12	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	13	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	16	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	17	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	18	0.9
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	20	0.9
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	19	0.9
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	19	0.9
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	19	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	1	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	3	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	4	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	5	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	6	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	8	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	9	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	10	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	12	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	13	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	16	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	18	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	19	0.9
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	20	0.9
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	9	0.9
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	2	0.9
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	2	0.9
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	2	0.9
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	15	0.9
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	15	0.9
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	15	0.9
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	1	0.9
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	15	0.9
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	2	0.9
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	2	0.9
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	2	0.9
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	13	0.9
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	13	0.9
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	13	0.9
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	5	0.9
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	8	0.9
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	8	0.9
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	8	0.9
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	10	0.9
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	10	0.9
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	10	0.9
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	19	0.9
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	19	0.9
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	19	0.9
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	19	0.9
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	19	0.9
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	19	0.9
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	10	0.9
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	3	0.9
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	4	0.9
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	17	0.9
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	1	0.9
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	4	0.9
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	18	0.9
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	2	0.9
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	5	0.9
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	9	0.9
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	10	0.9
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	15	0.9
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	15	0.9
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	20	0.9
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	7	0.9
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	7	0.9
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	7	0.9
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	5	0.9
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	9	0.9
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	10	0.9
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	18	0.9
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	19	0.9
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	6	0.9
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	6	0.9
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	6	0.9
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	10	0.9
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	10	0.9
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	10	0.9
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	9	0.9
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	10	0.9
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	19	0.9
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	18	0.9
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	3	0.9
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	1	0.9
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	1	0.9
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	2	0.9
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	3	0.9
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	6	0.9
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	7	0.9
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	11	0.9
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	14	0.9
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	16	0.9
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	17	0.9
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	19	0.9
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	2	0.9
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	10	0.9
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	13	0.9
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	16	0.9
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	17	0.9
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	18	0.9
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	11	0.9
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	14	0.9
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	16	0.9
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	19	0.9
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	2	0.9
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	6	0.9
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	9	0.9
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	13	0.9
(1,1211)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	18	0.9
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	1	0.9
(1,1182)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	12	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	8	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	8	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	11	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	11	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	11	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	12	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	12	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	12	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	13	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	13	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	13	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	18	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	18	0.9
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	18	0.9
(1,1060)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	5	0.9
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	2	0.9
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	6	0.9
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	7	0.9
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	9	0.9
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	15	0.9
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	16	0.9
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	17	0.9
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	19	0.9
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	3	0.9
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	7	0.9
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	8	0.9
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	12	0.9
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	20	0.9
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	8	0.9
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	16	0.9
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	18	0.9
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	20	0.9
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	10	0.9
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	12	0.9
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	20	0.9
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	15	0.9
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	15	0.9
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	15	0.9
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	9	0.9
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	11	0.9
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	15	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	2	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	2	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	2	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	2	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	2	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	2	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	2	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	2	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	5	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	5	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	5	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	5	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	5	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	5	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	5	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	5	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	5	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	6	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	6	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	6	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	6	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	6	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	6	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	6	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	6	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	6	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	10	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	10	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	10	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	10	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	10	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	10	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	10	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	10	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	10	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	12	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	12	0.9
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	12	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	12	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	12	0.9
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	12	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	12	0.9
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	12	0.9
(1,617)	1:449:A:VAL:HG21	1:450:A:MET:H	14	0.9
(1,617)	1:449:A:VAL:HG22	1:450:A:MET:H	14	0.9
(1,617)	1:449:A:VAL:HG23	1:450:A:MET:H	14	0.9
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD11	18	0.9
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD12	18	0.9
(1,616)	1:393:A:LEU:HA	1:393:A:LEU:HD13	18	0.9
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	11	0.9
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	2	0.9
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	13	0.9
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	16	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	2	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	2	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	4	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	4	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	6	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	6	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	8	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	8	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	9	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	9	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	13	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	13	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	16	0.9
(1,476)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	16	0.9
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	6	0.9
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	4	0.9
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	4	0.9
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	4	0.9
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	16	0.9
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	16	0.9
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	16	0.9
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	20	0.9
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	20	0.9
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	20	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	2	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	3	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	6	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	7	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	8	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	11	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	13	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	15	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	17	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	19	0.9
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	20	0.9
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	1	0.9
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	1	0.9
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	2	0.9
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	9	0.9
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	11	0.9
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	14	0.9
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	20	0.9
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	11	0.9
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	15	0.9
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	17	0.9
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	20	0.9
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	4	0.9
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	9	0.9
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	12	0.9
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	4	0.9
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	8	0.9
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	14	0.9
(1,14)	1:354:A:MET:HA	1:354:A:MET:H	15	0.9
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	2	0.89
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	2	0.89
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	2	0.89
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	10	0.89
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	10	0.89
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	10	0.89
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	2	0.89
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	9	0.89
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	17	0.89
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	19	0.89
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	11	0.89
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	11	0.89
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	11	0.89
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	17	0.89
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	17	0.89
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	17	0.89
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	16	0.89
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	8	0.89
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	2	0.89
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	12	0.89
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	13	0.89
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	17	0.89
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	20	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	2	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	2	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	2	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	7	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	7	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	7	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	10	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	10	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	10	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	14	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	14	0.89
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	14	0.89
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	5	0.89
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	15	0.89
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	3	0.89
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	6	0.89
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	11	0.89
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD11	15	0.89
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD12	15	0.89
(1,3423)	1:421:A:HIS:HE1	1:393:A:LEU:HD13	15	0.89
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD11	19	0.89
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD12	19	0.89
(1,3386)	1:410:A:TRP:HE3	1:393:A:LEU:HD13	19	0.89
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	2	0.89
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	2	0.89
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	3	0.89
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	3	0.89
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	4	0.89
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	4	0.89
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	11	0.89
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	11	0.89
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	14	0.89
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	14	0.89
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	16	0.89
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	16	0.89
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	2	0.89
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	4	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	8	0.89
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	9	0.89
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	10	0.89
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	12	0.89
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	14	0.89
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	17	0.89
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	4	0.89
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	12	0.89
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	16	0.89
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	1	0.89
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	1	0.89
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	1	0.89
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	15	0.89
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	15	0.89
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	15	0.89
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	1	0.89
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	4	0.89
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	5	0.89
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	18	0.89
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	5	0.89
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	6	0.89
(1,2850)	1:386:A:ASN:HB2	1:387:A:LYS:HA	7	0.89
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	2	0.89
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	5	0.89
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	7	0.89
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	8	0.89
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	10	0.89
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	15	0.89
(1,2839)	1:449:A:VAL:HA	1:448:A:SER:HA	19	0.89
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	6	0.89
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	6	0.89
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	9	0.89
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	9	0.89
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	10	0.89
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	10	0.89
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	15	0.89
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	15	0.89
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	16	0.89
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	18	0.89
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	7	0.89
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	11	0.89
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2559)	1:378:A:PRO:HD3	1:378:A:PRO:HG2	17	0.89
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	8	0.89
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	13	0.89
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	1	0.89
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	3	0.89
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	4	0.89
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	5	0.89
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	6	0.89
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	8	0.89
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	7	0.89
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	7	0.89
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	7	0.89
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	16	0.89
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	16	0.89
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	16	0.89
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	18	0.89
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	18	0.89
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	18	0.89
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	7	0.89
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	7	0.89
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	7	0.89
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	1	0.89
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	4	0.89
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	12	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	2	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	2	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	4	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	4	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	5	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	5	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	9	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	9	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	10	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	10	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	15	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	15	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	18	0.89
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	18	0.89
(1,2337)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	13	0.89
(1,2293)	1:345:A:ILE:HD11	1:345:A:ILE:H	9	0.89
(1,2293)	1:345:A:ILE:HD12	1:345:A:ILE:H	9	0.89
(1,2293)	1:345:A:ILE:HD13	1:345:A:ILE:H	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	8	0.89
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	20	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	1	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	1	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	1	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	2	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	2	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	2	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	3	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	3	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	3	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	4	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	4	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	4	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	5	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	5	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	5	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	6	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	6	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	6	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	7	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	7	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	7	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	9	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	9	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	9	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	11	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	11	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	11	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	12	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	12	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	12	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	13	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	13	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	13	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	15	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	15	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	15	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	16	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	16	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	16	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	17	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	17	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	18	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	18	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	18	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	20	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	20	0.89
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	20	0.89
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	1	0.89
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	1	0.89
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	1	0.89
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	4	0.89
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	4	0.89
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	4	0.89
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	6	0.89
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	6	0.89
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	6	0.89
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	7	0.89
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	7	0.89
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	7	0.89
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	8	0.89
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	8	0.89
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	8	0.89
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	10	0.89
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	10	0.89
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	10	0.89
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	20	0.89
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	20	0.89
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	20	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	1	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	1	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	1	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	3	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	3	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	3	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	4	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	4	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	4	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	6	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	6	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	6	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	8	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	8	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	9	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	9	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	9	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	10	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	10	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	10	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	11	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	11	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	11	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	12	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	12	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	12	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	14	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	14	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	14	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	15	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	15	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	15	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	17	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	17	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	17	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	18	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	18	0.89
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	18	0.89
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	12	0.89
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	12	0.89
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	12	0.89
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	3	0.89
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	15	0.89
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	6	0.89
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	5	0.89
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	9	0.89
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	11	0.89
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	14	0.89
(1,1974)	1:394:A:LYS:HG2	1:394:A:LYS:HA	15	0.89
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	13	0.89
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	6	0.89
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	1	0.89
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	3	0.89
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	4	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	6	0.89
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	14	0.89
(1,1955)	1:348:A:ASP:HA	1:348:A:ASP:HB2	17	0.89
(1,1928)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	4	0.89
(1,1928)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	11	0.89
(1,1876)	1:339:A:HIS:HB3	1:340:A:MET:HB2	18	0.89
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	6	0.89
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	3	0.89
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	3	0.89
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	3	0.89
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	4	0.89
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	4	0.89
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	4	0.89
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	5	0.89
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	5	0.89
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	5	0.89
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	12	0.89
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	12	0.89
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	12	0.89
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	7	0.89
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	13	0.89
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	12	0.89
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	7	0.89
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	2	0.89
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	4	0.89
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	4	0.89
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	4	0.89
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	16	0.89
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	7	0.89
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	9	0.89
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	12	0.89
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	13	0.89
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	4	0.89
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	13	0.89
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	1	0.89
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	7	0.89
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	4	0.89
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	5	0.89
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	8	0.89
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	9	0.89
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	10	0.89
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	12	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	15	0.89
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	20	0.89
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	5	0.89
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	9	0.89
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	20	0.89
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	7	0.89
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	19	0.89
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	4	0.89
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	18	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	2	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	2	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	2	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	3	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	3	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	3	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	7	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	7	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	7	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	9	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	9	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	9	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	20	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	20	0.89
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	20	0.89
(1,1060)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	8	0.89
(1,1060)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	20	0.89
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	11	0.89
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	18	0.89
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	20	0.89
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	16	0.89
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	9	0.89
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	9	0.89
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	9	0.89
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	13	0.89
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	2	0.89
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	7	0.89
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	9	0.89
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	11	0.89
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	16	0.89
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	19	0.89
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	6	0.89
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	6	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	6	0.89
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	18	0.89
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	18	0.89
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	18	0.89
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	1	0.89
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	10	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	11	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	11	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	11	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	11	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	11	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	11	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	11	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	11	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	11	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	16	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	16	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	16	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	16	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	16	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	16	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	16	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	16	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	16	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	17	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	17	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	17	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	17	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	17	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	17	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	17	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	17	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	17	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	18	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	18	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	18	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	18	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	18	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	18	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	18	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	18	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	18	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	20	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	20	0.89
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	20	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	20	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	20	0.89
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	20	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	20	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	20	0.89
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	20	0.89
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	5	0.89
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	10	0.89
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	12	0.89
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	20	0.89
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	1	0.89
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	5	0.89
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	12	0.89
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	2	0.89
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	17	0.89
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	2	0.89
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	2	0.89
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	2	0.89
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	14	0.89
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE1	3	0.89
(1,303)	1:358:A:LYS:HD3	1:356:A:TYR:HE2	3	0.89
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	14	0.89
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	3	0.89
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	7	0.89
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	8	0.89
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	10	0.89
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	13	0.89
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	15	0.89
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	15	0.89
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	4	0.89
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	12	0.89
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	19	0.89
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	2	0.89
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	3	0.89
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	6	0.89
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	8	0.89
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	10	0.89
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	13	0.89
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	14	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	14	0.89
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	19	0.89
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	20	0.89
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	8	0.88
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	8	0.88
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	8	0.88
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	17	0.88
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	17	0.88
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	17	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	3	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	3	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	3	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	4	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	4	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	4	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	12	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	12	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	12	0.88
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	11	0.88
(1,4048)	1:430:A:GLY:H	1:428:A:GLU:HB3	1	0.88
(1,4029)	1:369:A:VAL:H	1:368:A:ILE:HB	9	0.88
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD11	7	0.88
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD12	7	0.88
(1,4007)	1:379:A:ALA:H	1:349:A:LEU:HD13	7	0.88
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	15	0.88
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	18	0.88
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	20	0.88
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	4	0.88
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	7	0.88
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	16	0.88
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	1	0.88
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	5	0.88
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	4	0.88
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	4	0.88
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	4	0.88
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	8	0.88
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	8	0.88
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	8	0.88
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	2	0.88
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	12	0.88
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	18	0.88
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	10	0.88
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	12	0.88
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	14	0.88
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	13	0.88
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	9	0.88
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	16	0.88
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	5	0.88
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	5	0.88
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	5	0.88
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	5	0.88
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	5	0.88
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	5	0.88
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	10	0.88
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	10	0.88
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	12	0.88
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	12	0.88
(1,3240)	1:440:A:HIS:HD2	1:439:A:SER:HB3	17	0.88
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	3	0.88
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	3	0.88
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	3	0.88
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	16	0.88
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	16	0.88
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	16	0.88
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	18	0.88
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	18	0.88
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	18	0.88
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	1	0.88
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	3	0.88
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	6	0.88
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	19	0.88
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	11	0.88
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	19	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	2	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	2	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	2	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	3	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	3	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	3	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	4	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	4	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	4	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	5	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	5	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	6	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	6	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	6	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	7	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	7	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	7	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	8	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	8	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	8	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	9	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	9	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	9	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	10	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	10	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	10	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	11	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	11	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	11	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	12	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	12	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	12	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	13	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	13	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	13	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	14	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	14	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	14	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	16	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	16	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	16	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	17	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	17	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	17	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	18	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	18	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	18	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	19	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	19	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	19	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG11	20	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG12	20	0.88
(1,2975)	1:463:A:VAL:HB	1:463:A:VAL:HG13	20	0.88
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	9	0.88
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	15	0.88
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	16	0.88
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	1	0.88
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	1	0.88
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	5	0.88
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	5	0.88
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	8	0.88
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	8	0.88
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	13	0.88
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	13	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	2	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	4	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	6	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	8	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	9	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	10	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	11	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	12	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	13	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	15	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	17	0.88
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	20	0.88
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	1	0.88
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	1	0.88
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	1	0.88
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	7	0.88
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	10	0.88
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	11	0.88
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	12	0.88
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	16	0.88
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	17	0.88
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	18	0.88
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	20	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	1	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	1	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	1	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	2	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	2	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	3	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	3	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	3	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	4	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	4	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	4	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	5	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	5	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	5	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	6	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	6	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	6	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	8	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	8	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	8	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	9	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	9	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	9	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	10	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	10	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	10	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	11	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	11	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	11	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	12	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	12	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	12	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	13	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	13	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	13	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	14	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	14	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	14	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	15	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	15	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	15	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	17	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	17	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	17	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	19	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	19	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG21	20	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG22	20	0.88
(1,2521)	1:461:A:THR:HB	1:461:A:THR:HG23	20	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	3	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	3	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	3	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	16	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	16	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	16	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	17	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	17	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	17	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	20	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	20	0.88
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	20	0.88
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	2	0.88
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	5	0.88
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	6	0.88
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	7	0.88
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	15	0.88
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	19	0.88
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	7	0.88
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	7	0.88
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	12	0.88
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	12	0.88
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	13	0.88
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	13	0.88
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	14	0.88
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	14	0.88
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	18	0.88
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	15	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	1	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	2	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	3	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	4	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	7	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	9	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	11	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	14	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	18	0.88
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	19	0.88
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG11	14	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG12	14	0.88
(1,2219)	1:407:A:VAL:HB	1:407:A:VAL:HG13	14	0.88
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	3	0.88
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	3	0.88
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	3	0.88
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	14	0.88
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	14	0.88
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	14	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	2	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	2	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	2	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	5	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	5	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	5	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	7	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	7	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	7	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	13	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	13	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	13	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	16	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	16	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	16	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD11	20	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD12	20	0.88
(1,2184)	1:349:A:LEU:HG	1:349:A:LEU:HD13	20	0.88
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	2	0.88
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	2	0.88
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	2	0.88
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	3	0.88
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	3	0.88
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	3	0.88
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	6	0.88
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	6	0.88
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	6	0.88
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	10	0.88
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	10	0.88
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	10	0.88
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	11	0.88
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	11	0.88
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	11	0.88
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	14	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	14	0.88
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	14	0.88
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	17	0.88
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	17	0.88
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	17	0.88
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	18	0.88
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	18	0.88
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	18	0.88
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	1	0.88
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	19	0.88
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	2	0.88
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	8	0.88
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	12	0.88
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	9	0.88
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	12	0.88
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	18	0.88
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	10	0.88
(1,1928)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	20	0.88
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	5	0.88
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	5	0.88
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	5	0.88
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	6	0.88
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	6	0.88
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	6	0.88
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	6	0.88
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	6	0.88
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	6	0.88
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	8	0.88
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	8	0.88
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	8	0.88
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	11	0.88
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	11	0.88
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	11	0.88
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	17	0.88
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	5	0.88
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	19	0.88
(1,1576)	1:352:A:GLN:HG3	1:352:A:GLN:H	20	0.88
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	18	0.88
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	18	0.88
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	18	0.88
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	6	0.88
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	3	0.88
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	5	0.88
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	11	0.88
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	18	0.88
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	20	0.88
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	7	0.88
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	14	0.88
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	17	0.88
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	19	0.88
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	9	0.88
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	13	0.88
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	12	0.88
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	14	0.88
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	19	0.88
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	1	0.88
(1,1279)	1:358:A:LYS:HA	1:343:A:THR:HA	5	0.88
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	2	0.88
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	5	0.88
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	8	0.88
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	10	0.88
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	11	0.88
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	12	0.88
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	15	0.88
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	16	0.88
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	20	0.88
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	18	0.88
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	18	0.88
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	18	0.88
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	18	0.88
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	18	0.88
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	18	0.88
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	19	0.88
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	19	0.88
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	19	0.88
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	19	0.88
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	19	0.88
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	19	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	6	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	6	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	6	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	10	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	10	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	14	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	14	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	14	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	17	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	17	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	17	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	19	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	19	0.88
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	19	0.88
(1,1026)	1:356:A:TYR:HA	1:357:A:TYR:H	12	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	1	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	1	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	1	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	2	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	2	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	2	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	3	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	3	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	3	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	4	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	4	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	4	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	5	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	5	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	5	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	6	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	6	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	6	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	8	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	8	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	8	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	10	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	10	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	10	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	11	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	11	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	11	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	12	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	12	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	12	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	15	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	15	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	15	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	16	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	16	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	16	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	17	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	17	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	17	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	20	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	20	0.88
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	20	0.88
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	1	0.88
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	11	0.88
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	16	0.88
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	9	0.88
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	15	0.88
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	7	0.88
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	16	0.88
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	7	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	1	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	1	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	1	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	1	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	1	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	1	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	1	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	1	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	1	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	3	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	3	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	3	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	3	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	3	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	3	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	3	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	3	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	3	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	7	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	7	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	7	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	7	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	7	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	7	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	7	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	7	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	7	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	8	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	8	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	8	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	8	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	8	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	8	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	8	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	8	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	8	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	9	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	9	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	9	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	9	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	9	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	9	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	9	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	9	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	9	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	14	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	14	0.88
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	14	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	14	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	14	0.88
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	14	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	14	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	14	0.88
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	14	0.88
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	6	0.88
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	11	0.88
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	15	0.88
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	18	0.88
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	7	0.88
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	20	0.88
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	15	0.88
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	20	0.88
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	8	0.88
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	8	0.88
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	8	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	17	0.88
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	17	0.88
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	17	0.88
(1,368)	1:428:A:GLU:HA	1:428:A:GLU:HG3	18	0.88
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	16	0.88
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	12	0.88
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	18	0.88
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	2	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	1	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	2	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	3	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	4	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	5	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	6	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	7	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	8	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	9	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	10	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	11	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	12	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	13	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	15	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	16	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	17	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	18	0.88
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	20	0.88
(1,84)	1:361:A:LYS:HE3	1:361:A:LYS:HA	7	0.88
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	2	0.87
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	2	0.87
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	2	0.87
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	1	0.87
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	5	0.87
(1,4075)	1:422:A:ASP:H	1:453:A:LEU:HB3	8	0.87
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	16	0.87
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	16	0.87
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	16	0.87
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	20	0.87
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	20	0.87
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	20	0.87
(1,3962)	1:387:A:LYS:H	1:387:A:LYS:HD2	7	0.87
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	14	0.87
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	18	0.87
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	6	0.87
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	12	0.87
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	8	0.87
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	10	0.87
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	6	0.87
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	11	0.87
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	3	0.87
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	17	0.87
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	17	0.87
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	17	0.87
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	1	0.87
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	6	0.87
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	7	0.87
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	10	0.87
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	14	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	3	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	4	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	5	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	7	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	8	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	9	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	11	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	13	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	15	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	17	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	18	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	19	0.87
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	20	0.87
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	1	0.87
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	6	0.87
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	12	0.87
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	10	0.87
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	10	0.87
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	18	0.87
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	18	0.87
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	6	0.87
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	6	0.87
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	8	0.87
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	8	0.87
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	17	0.87
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	17	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	18	0.87
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	18	0.87
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	18	0.87
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	7	0.87
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	20	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	1	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	1	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	1	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	2	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	2	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	2	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	4	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	4	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	4	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	5	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	5	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	5	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	6	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	6	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	6	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	7	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	7	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	7	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	8	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	8	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	8	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	9	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	9	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	9	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	10	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	10	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	10	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	11	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	11	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	11	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	12	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	12	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	12	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	13	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	13	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	13	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	14	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	14	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	15	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	15	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	15	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	17	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	17	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	17	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	19	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	19	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	19	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG11	20	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG12	20	0.87
(1,3127)	1:369:A:VAL:HB	1:369:A:VAL:HG13	20	0.87
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	5	0.87
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	11	0.87
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	16	0.87
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	17	0.87
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	1	0.87
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	11	0.87
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	12	0.87
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	16	0.87
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	17	0.87
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	19	0.87
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	20	0.87
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	3	0.87
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	6	0.87
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	7	0.87
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	11	0.87
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	13	0.87
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	14	0.87
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	17	0.87
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	11	0.87
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	19	0.87
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	12	0.87
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	15	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	2	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	2	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	3	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	3	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	12	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	14	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	14	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	16	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	16	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	18	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	18	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	19	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	19	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	20	0.87
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	20	0.87
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	1	0.87
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	5	0.87
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	7	0.87
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	14	0.87
(1,2624)	1:401:A:THR:HG21	1:402:A:PRO:HD3	7	0.87
(1,2624)	1:401:A:THR:HG22	1:402:A:PRO:HD3	7	0.87
(1,2624)	1:401:A:THR:HG23	1:402:A:PRO:HD3	7	0.87
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	19	0.87
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	2	0.87
(1,2537)	1:443:A:ILE:HB	1:443:A:ILE:HG12	13	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	1	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	1	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	1	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	5	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	5	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	5	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	9	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	9	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	9	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	10	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	10	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	10	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	12	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	12	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	12	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	16	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	16	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	16	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	17	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	17	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	17	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	18	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	18	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	19	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	19	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	19	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	20	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	20	0.87
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	20	0.87
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	10	0.87
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	19	0.87
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	6	0.87
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	6	0.87
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	6	0.87
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	9	0.87
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	9	0.87
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	9	0.87
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	3	0.87
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	8	0.87
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	9	0.87
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	17	0.87
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	3	0.87
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	3	0.87
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	8	0.87
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	8	0.87
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	11	0.87
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	11	0.87
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	17	0.87
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	17	0.87
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	20	0.87
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	20	0.87
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	2	0.87
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	6	0.87
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	10	0.87
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	12	0.87
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	13	0.87
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	15	0.87
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	16	0.87
(1,2221)	1:362:A:VAL:HA	1:363:A:ALA:H	17	0.87
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	5	0.87
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	5	0.87
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	5	0.87
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	12	0.87
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	12	0.87
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	15	0.87
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	15	0.87
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	15	0.87
(1,2191)	1:409:A:TYR:HB2	1:409:A:TYR:H	14	0.87
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	1	0.87
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	1	0.87
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	1	0.87
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	5	0.87
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	5	0.87
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	5	0.87
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	13	0.87
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	13	0.87
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	13	0.87
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	15	0.87
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	15	0.87
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	15	0.87
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	16	0.87
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	16	0.87
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	16	0.87
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	20	0.87
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	20	0.87
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	20	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	1	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	3	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	4	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	5	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	6	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	10	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	11	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	13	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	15	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	16	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	17	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	18	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	19	0.87
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	20	0.87
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	3	0.87
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	8	0.87
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	17	0.87
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	8	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	7	0.87
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	20	0.87
(1,1967)	1:354:A:MET:HB2	1:354:A:MET:H	13	0.87
(1,1928)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	2	0.87
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	3	0.87
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	11	0.87
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	2	0.87
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	2	0.87
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	2	0.87
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	9	0.87
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	9	0.87
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	9	0.87
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	17	0.87
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	17	0.87
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	17	0.87
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	12	0.87
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	4	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	1	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	2	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	8	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	9	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	10	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	11	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	12	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	13	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	14	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	15	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	16	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	18	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	19	0.87
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	20	0.87
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	10	0.87
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	14	0.87
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	14	0.87
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	14	0.87
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	14	0.87
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	2	0.87
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	1	0.87
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	1	0.87
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	1	0.87
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	3	0.87
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	3	0.87
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	5	0.87
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	5	0.87
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	5	0.87
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	9	0.87
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	9	0.87
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	9	0.87
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	15	0.87
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	15	0.87
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	15	0.87
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	1	0.87
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	2	0.87
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	12	0.87
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	11	0.87
(1,1352)	1:428:A:GLU:HA	1:428:A:GLU:H	18	0.87
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	4	0.87
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	8	0.87
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	10	0.87
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	15	0.87
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	20	0.87
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	13	0.87
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	14	0.87
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	17	0.87
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	19	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	1	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	1	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	1	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	1	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	1	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	1	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	2	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	2	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	2	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	2	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	2	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	2	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	3	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	3	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	3	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	3	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	3	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	6	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	6	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	6	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	6	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	6	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	6	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	10	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	10	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	10	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	10	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	10	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	10	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	12	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	12	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	12	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	12	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	12	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	12	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	15	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	15	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	15	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	15	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	15	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	15	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	20	0.87
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	20	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	20	0.87
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	20	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	20	0.87
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	20	0.87
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	19	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	7	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	7	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	7	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	13	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	13	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	13	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	14	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	14	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	14	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	18	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	18	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG21	19	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG22	19	0.87
(1,958)	1:369:A:VAL:HB	1:369:A:VAL:HG23	19	0.87
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	4	0.87
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	5	0.87
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	9	0.87
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	10	0.87
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	19	0.87
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	5	0.87
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	5	0.87
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE1	20	0.87
(1,947)	1:378:A:PRO:HB2	1:382:A:PHE:HE2	20	0.87
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	3	0.87
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	5	0.87
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	10	0.87
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	11	0.87
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	1	0.87
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	13	0.87
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	13	0.87
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	13	0.87
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	13	0.87
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	13	0.87
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	13	0.87
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	13	0.87
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	13	0.87
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	13	0.87
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	19	0.87
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	19	0.87
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	19	0.87
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	19	0.87
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	19	0.87
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	19	0.87
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	19	0.87
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	19	0.87
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	19	0.87
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	14	0.87
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	6	0.87
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	7	0.87
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	17	0.87
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	2	0.87
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	17	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	20	0.87
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	5	0.87
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	8	0.87
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	14	0.87
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	6	0.87
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	17	0.87
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	7	0.87
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	10	0.87
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	10	0.87
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	10	0.87
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	14	0.87
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	14	0.87
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	14	0.87
(1,104)	1:410:A:TRP:HA	1:410:A:TRP:H	19	0.87
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	6	0.87
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	6	0.87
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	6	0.87
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	12	0.87
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	12	0.87
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	12	0.87
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	18	0.87
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	18	0.87
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	18	0.87
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	14	0.87
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	9	0.86
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	9	0.86
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	9	0.86
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	1	0.86
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	1	0.86
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	1	0.86
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	7	0.86
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	7	0.86
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	7	0.86
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	6	0.86
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	17	0.86
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	12	0.86
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	12	0.86
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	12	0.86
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	4	0.86
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	1	0.86
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	3	0.86
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	11	0.86
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	14	0.86
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	17	0.86
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	19	0.86
(1,3803)	1:388:A:GLU:H	1:388:A:GLU:HG2	19	0.86
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	11	0.86
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	14	0.86
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	15	0.86
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	19	0.86
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	20	0.86
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	7	0.86
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	11	0.86
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	13	0.86
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	20	0.86
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	1	0.86
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	2	0.86
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	3	0.86
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	14	0.86
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	18	0.86
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	19	0.86
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	4	0.86
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	4	0.86
(1,3305)	1:425:A:TRP:HZ3	1:393:A:LEU:HD11	10	0.86
(1,3305)	1:425:A:TRP:HZ3	1:393:A:LEU:HD12	10	0.86
(1,3305)	1:425:A:TRP:HZ3	1:393:A:LEU:HD13	10	0.86
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	7	0.86
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	7	0.86
(1,3240)	1:440:A:HIS:HD2	1:439:A:SER:HB3	16	0.86
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	6	0.86
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	9	0.86
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	10	0.86
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	16	0.86
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	17	0.86
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	17	0.86
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	17	0.86
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	17	0.86
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	20	0.86
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	20	0.86
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	20	0.86
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	13	0.86
(1,3090)	1:429:A:TYR:HA	1:429:A:TYR:H	18	0.86
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	4	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	18	0.86
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	18	0.86
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	18	0.86
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	18	0.86
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	8	0.86
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	10	0.86
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	12	0.86
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	20	0.86
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	16	0.86
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	5	0.86
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	13	0.86
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	5	0.86
(1,2701)	1:387:A:LYS:HD2	1:387:A:LYS:HB3	16	0.86
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	4	0.86
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	4	0.86
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	7	0.86
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	7	0.86
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	17	0.86
(1,2675)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	17	0.86
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	2	0.86
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	5	0.86
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	12	0.86
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	16	0.86
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	19	0.86
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	20	0.86
(1,2636)	1:410:A:TRP:HB2	1:410:A:TRP:H	3	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	2	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	2	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	2	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	3	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	3	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	3	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	4	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	4	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	4	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	6	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	6	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	6	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	7	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	7	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	7	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	11	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	11	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	11	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	13	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	13	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	13	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	15	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	15	0.86
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	15	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	8	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	8	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	8	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	10	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	10	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	10	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	11	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	11	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	11	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	12	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	12	0.86
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	12	0.86
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	10	0.86
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	11	0.86
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	13	0.86
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	14	0.86
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	16	0.86
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	18	0.86
(1,2400)	1:406:A:PRO:HD3	1:405:A:SER:HA	20	0.86
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	16	0.86
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	16	0.86
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	19	0.86
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	19	0.86
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	7	0.86
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	13	0.86
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	20	0.86
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	1	0.86
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	6	0.86
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	12	0.86
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	19	0.86
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	1	0.86
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	2	0.86
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	2	0.86
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	2	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	9	0.86
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	9	0.86
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	9	0.86
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	7	0.86
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	7	0.86
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	7	0.86
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	9	0.86
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	9	0.86
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	9	0.86
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	19	0.86
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	19	0.86
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	19	0.86
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	17	0.86
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	7	0.86
(1,2089)	1:423:A:SER:HB3	1:423:A:SER:HA	14	0.86
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	4	0.86
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	5	0.86
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	6	0.86
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	8	0.86
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	12	0.86
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	14	0.86
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	20	0.86
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	1	0.86
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	15	0.86
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	16	0.86
(1,1947)	1:418:A:VAL:HG21	1:419:A:GLY:H	11	0.86
(1,1947)	1:418:A:VAL:HG22	1:419:A:GLY:H	11	0.86
(1,1947)	1:418:A:VAL:HG23	1:419:A:GLY:H	11	0.86
(1,1876)	1:339:A:HIS:HB3	1:340:A:MET:HB2	15	0.86
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	6	0.86
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	1	0.86
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	1	0.86
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	1	0.86
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	13	0.86
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	13	0.86
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	13	0.86
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	16	0.86
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	16	0.86
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	16	0.86
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	20	0.86
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	20	0.86
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	20	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	1	0.86
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	11	0.86
(1,1688)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	10	0.86
(1,1688)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	10	0.86
(1,1688)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	10	0.86
(1,1688)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	10	0.86
(1,1688)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	10	0.86
(1,1688)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	10	0.86
(1,1688)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	10	0.86
(1,1688)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	10	0.86
(1,1688)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	10	0.86
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	14	0.86
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	3	0.86
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	4	0.86
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	6	0.86
(1,1614)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	17	0.86
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	7	0.86
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	11	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	1	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	2	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	3	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	4	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	5	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	7	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	8	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	9	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	10	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	11	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	12	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	14	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	15	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	17	0.86
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	18	0.86
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	4	0.86
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	8	0.86
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	20	0.86
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	12	0.86
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	2	0.86
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	2	0.86
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	2	0.86
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	4	0.86
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	4	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	4	0.86
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	7	0.86
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	7	0.86
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	7	0.86
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	8	0.86
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	8	0.86
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	8	0.86
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	10	0.86
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	10	0.86
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	10	0.86
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	11	0.86
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	11	0.86
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	11	0.86
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	12	0.86
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	12	0.86
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	12	0.86
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	17	0.86
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	17	0.86
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	17	0.86
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	19	0.86
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	19	0.86
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	19	0.86
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	3	0.86
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	8	0.86
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	9	0.86
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	10	0.86
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	5	0.86
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	12	0.86
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	13	0.86
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	12	0.86
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	7	0.86
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	11	0.86
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	3	0.86
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	6	0.86
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	7	0.86
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	4	0.86
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	4	0.86
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	4	0.86
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	4	0.86
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	4	0.86
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	4	0.86
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	9	0.86
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	9	0.86
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	9	0.86
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	9	0.86
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	9	0.86
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	13	0.86
(1,1167)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	13	0.86
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	13	0.86
(1,1167)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	13	0.86
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	13	0.86
(1,1167)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	13	0.86
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	16	0.86
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG21	4	0.86
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG22	4	0.86
(1,1061)	1:462:A:PRO:HD3	1:461:A:THR:HG23	4	0.86
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	5	0.86
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	10	0.86
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	3	0.86
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	12	0.86
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	15	0.86
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	17	0.86
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	18	0.86
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	20	0.86
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	13	0.86
(1,941)	1:427:A:PRO:HD2	1:426:A:GLN:HA	5	0.86
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	1	0.86
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	2	0.86
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	4	0.86
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	5	0.86
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	7	0.86
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	9	0.86
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	13	0.86
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	14	0.86
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	17	0.86
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	4	0.86
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	4	0.86
(1,680)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	4	0.86
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	4	0.86
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	4	0.86
(1,680)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	4	0.86
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	4	0.86
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	4	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	4	0.86
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	3	0.86
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	8	0.86
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	9	0.86
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	14	0.86
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	2	0.86
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	9	0.86
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	6	0.86
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	11	0.86
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	14	0.86
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	17	0.86
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	1	0.86
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	3	0.86
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	4	0.86
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	13	0.86
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	14	0.86
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	18	0.86
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	12	0.86
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	20	0.86
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	9	0.86
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	9	0.86
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	9	0.86
(1,342)	1:429:A:TYR:HB2	1:429:A:TYR:HA	9	0.86
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	5	0.86
(1,217)	1:397:A:ASN:HB3	1:396:A:THR:HA	1	0.86
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	4	0.86
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	4	0.86
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	4	0.86
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	5	0.86
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	5	0.86
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	5	0.86
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	1	0.86
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	6	0.86
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	12	0.86
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	19	0.86
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	9	0.85
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	15	0.85
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	18	0.85
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	20	0.85
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	8	0.85
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	10	0.85
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	13	0.85
(1,3901)	1:461:A:THR:H	1:460:A:GLY:H	19	0.85
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	7	0.85
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	14	0.85
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	19	0.85
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	20	0.85
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	15	0.85
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	12	0.85
(1,3672)	1:400:A:GLY:H	1:396:A:THR:HA	1	0.85
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	8	0.85
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	18	0.85
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	18	0.85
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	18	0.85
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG11	20	0.85
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG12	20	0.85
(1,3559)	1:419:A:GLY:H	1:418:A:VAL:HG13	20	0.85
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	17	0.85
(1,3538)	1:366:A:THR:H	1:365:A:GLU:HB2	16	0.85
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	20	0.85
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	3	0.85
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	11	0.85
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	5	0.85
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	15	0.85
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	15	0.85
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	6	0.85
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	12	0.85
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	1	0.85
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	3	0.85
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	9	0.85
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	15	0.85
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	18	0.85
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	19	0.85
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	1	0.85
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	3	0.85
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	4	0.85
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	11	0.85
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	18	0.85
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	2	0.85
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	2	0.85
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	2	0.85
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	6	0.85
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	6	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	6	0.85
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	10	0.85
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	10	0.85
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	10	0.85
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	11	0.85
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	11	0.85
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	11	0.85
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	11	0.85
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	11	0.85
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	11	0.85
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	11	0.85
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	11	0.85
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	11	0.85
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	11	0.85
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	11	0.85
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	11	0.85
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	1	0.85
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	2	0.85
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	10	0.85
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	20	0.85
(1,3000)	1:464:A:LEU:HB3	1:465:A:VAL:H	6	0.85
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	3	0.85
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	4	0.85
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	7	0.85
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	13	0.85
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	18	0.85
(1,2956)	1:364:A:LEU:HA	1:365:A:GLU:H	19	0.85
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	1	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	1	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	2	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	3	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	4	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	6	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	7	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	8	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	9	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	10	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	11	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	12	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	13	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	14	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	16	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	17	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	18	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	19	0.85
(1,2796)	1:368:A:ILE:HG13	1:368:A:ILE:HG12	20	0.85
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	8	0.85
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	17	0.85
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	5	0.85
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	5	0.85
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	5	0.85
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	12	0.85
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	12	0.85
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	12	0.85
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	18	0.85
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	18	0.85
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	18	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	1	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	3	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	4	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	6	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	7	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	8	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	9	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	10	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	11	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	13	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	14	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	15	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	17	0.85
(1,2646)	1:378:A:PRO:HG2	1:378:A:PRO:HB2	18	0.85
(1,2556)	1:350:A:GLU:HG2	1:350:A:GLU:H	19	0.85
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	8	0.85
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	8	0.85
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	8	0.85
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG21	14	0.85
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG22	14	0.85
(1,2458)	1:416:A:THR:HB	1:416:A:THR:HG23	14	0.85
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	6	0.85
(1,2382)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	6	0.85
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	12	0.85
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	1	0.85
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	3	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	4	0.85
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	5	0.85
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	7	0.85
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	10	0.85
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	12	0.85
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	13	0.85
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	14	0.85
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	16	0.85
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	19	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	2	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	3	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	4	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	5	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	7	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	8	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	9	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	10	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	11	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	13	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	14	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	15	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	16	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	17	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	18	0.85
(1,2268)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	20	0.85
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	5	0.85
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	17	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	2	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	3	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	4	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	5	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	6	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	7	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	8	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	9	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	10	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	13	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	14	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	15	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	16	0.85
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	18	0.85
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	18	0.85
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	18	0.85
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	4	0.85
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	4	0.85
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	4	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	1	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	2	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	3	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	7	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	9	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	11	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	15	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	16	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	17	0.85
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	18	0.85
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	16	0.85
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	16	0.85
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	16	0.85
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	4	0.85
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	2	0.85
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	11	0.85
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	15	0.85
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	4	0.85
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	17	0.85
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	16	0.85
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	9	0.85
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	14	0.85
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	7	0.85
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	5	0.85
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	6	0.85
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	13	0.85
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	16	0.85
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	19	0.85
(1,1541)	1:358:A:LYS:HA	1:358:A:LYS:H	20	0.85
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	11	0.85
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	12	0.85
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	17	0.85
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	19	0.85
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	2	0.85
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	7	0.85
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	16	0.85
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	16	0.85
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	16	0.85
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	16	0.85
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	18	0.85
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	18	0.85
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	18	0.85
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	20	0.85
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	20	0.85
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	20	0.85
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	15	0.85
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	8	0.85
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	5	0.85
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	4	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	1	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	2	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	6	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	7	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	8	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	9	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	11	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	15	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	16	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	17	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	18	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	19	0.85
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	20	0.85
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	2	0.85
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	6	0.85
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	1	0.85
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	15	0.85
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	16	0.85
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	17	0.85
(1,1000)	1:394:A:LYS:HG3	1:394:A:LYS:H	11	0.85
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	2	0.85
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	6	0.85
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	3	0.85
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	6	0.85
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	8	0.85
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	10	0.85
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	11	0.85
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	12	0.85
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	16	0.85
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	18	0.85
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	19	0.85
(1,864)	1:394:A:LYS:HB3	1:394:A:LYS:HA	20	0.85
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	19	0.85
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	3	0.85
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	1	0.85
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	19	0.85
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	1	0.85
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	11	0.85
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	19	0.85
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	4	0.85
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	4	0.85
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	6	0.85
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	17	0.85
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	3	0.85
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	10	0.85
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	2	0.85
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	9	0.85
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	17	0.85
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	19	0.85
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	20	0.85
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	4	0.85
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	7	0.85
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	10	0.85
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	19	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	1	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	1	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	1	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	2	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	2	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	2	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	3	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	3	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	3	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	6	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	6	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	6	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	7	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	7	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	7	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	8	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	8	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	8	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	9	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	9	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	9	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	11	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	11	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	11	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	12	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	12	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	12	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	13	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	13	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	13	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	14	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	14	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	14	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	15	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	15	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	15	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	16	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	16	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	16	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	17	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	17	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	17	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	18	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	18	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	18	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	19	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	19	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	19	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG21	20	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG22	20	0.85
(1,144)	1:407:A:VAL:HB	1:407:A:VAL:HG23	20	0.85
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	2	0.85
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	2	0.85
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	2	0.85
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	6	0.85
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	6	0.85
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	6	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	3	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	4	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	5	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	7	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	8	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	9	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	10	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	11	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	13	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	14	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	15	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	16	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	17	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	18	0.85
(1,65)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	20	0.85
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	2	0.85
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	2	0.85
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	2	0.85
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	3	0.84
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	3	0.84
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	3	0.84
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	13	0.84
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	13	0.84
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	13	0.84
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	17	0.84
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	17	0.84
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	17	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	1	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	2	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	3	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	8	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	10	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	12	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	13	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	14	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	16	0.84
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	19	0.84
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	5	0.84
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	17	0.84
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	18	0.84
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	3	0.84
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	6	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	2	0.84
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	4	0.84
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	5	0.84
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	6	0.84
(1,3904)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	20	0.84
(1,3816)	1:340:A:MET:H	1:340:A:MET:HB2	15	0.84
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	2	0.84
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	4	0.84
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	9	0.84
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	10	0.84
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	16	0.84
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	17	0.84
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	13	0.84
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	15	0.84
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	18	0.84
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	1	0.84
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	12	0.84
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	17	0.84
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	19	0.84
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	8	0.84
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	8	0.84
(1,3276)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	1	0.84
(1,3276)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	1	0.84
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	17	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	2	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	4	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	5	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	6	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	7	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	8	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	10	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	11	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	12	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	13	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	14	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	16	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	17	0.84
(1,3150)	1:356:A:TYR:HA	1:356:A:TYR:H	20	0.84
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	8	0.84
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	12	0.84
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	13	0.84
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	14	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	3	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	3	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	3	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	4	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	4	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	4	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	5	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	5	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	5	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	7	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	7	0.84
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	7	0.84
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	1	0.84
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	1	0.84
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	1	0.84
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	3	0.84
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	3	0.84
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	3	0.84
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	5	0.84
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	5	0.84
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	5	0.84
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	7	0.84
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	7	0.84
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	7	0.84
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	8	0.84
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	8	0.84
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	8	0.84
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	14	0.84
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	14	0.84
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	14	0.84
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	15	0.84
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	15	0.84
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	15	0.84
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	16	0.84
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	16	0.84
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	16	0.84
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	19	0.84
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	19	0.84
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	19	0.84
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	12	0.84
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	12	0.84
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	12	0.84
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	12	0.84
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	12	0.84
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	12	0.84
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	12	0.84
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	12	0.84
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	7	0.84
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	9	0.84
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	11	0.84
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	13	0.84
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	19	0.84
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	7	0.84
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	7	0.84
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	7	0.84
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	16	0.84
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	16	0.84
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	16	0.84
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	2	0.84
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	8	0.84
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	9	0.84
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	10	0.84
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	14	0.84
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	5	0.84
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	4	0.84
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	1	0.84
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	1	0.84
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	1	0.84
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	2	0.84
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	2	0.84
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	2	0.84
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	6	0.84
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	6	0.84
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	6	0.84
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	7	0.84
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	7	0.84
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	7	0.84
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	17	0.84
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	17	0.84
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	17	0.84
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	20	0.84
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	20	0.84
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	2	0.84
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	20	0.84
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	14	0.84
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	15	0.84
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	2	0.84
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	6	0.84
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	9	0.84
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	11	0.84
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	15	0.84
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	17	0.84
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	18	0.84
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	20	0.84
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	7	0.84
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	11	0.84
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	12	0.84
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	17	0.84
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	19	0.84
(1,2239)	1:354:A:MET:HB3	1:354:A:MET:HG2	20	0.84
(1,2208)	1:343:A:THR:HG21	1:456:A:MET:H	13	0.84
(1,2208)	1:343:A:THR:HG22	1:456:A:MET:H	13	0.84
(1,2208)	1:343:A:THR:HG23	1:456:A:MET:H	13	0.84
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	5	0.84
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	7	0.84
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	13	0.84
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	14	0.84
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	15	0.84
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	20	0.84
(1,2147)	1:407:A:VAL:HG21	1:392:A:THR:H	8	0.84
(1,2147)	1:407:A:VAL:HG22	1:392:A:THR:H	8	0.84
(1,2147)	1:407:A:VAL:HG23	1:392:A:THR:H	8	0.84
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	10	0.84
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	13	0.84
(1,2082)	1:425:A:TRP:HB2	1:425:A:TRP:HA	19	0.84
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	3	0.84
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	10	0.84
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	14	0.84
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	3	0.84
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	6	0.84
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	7	0.84
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	8	0.84
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	12	0.84
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	15	0.84
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	4	0.84
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	14	0.84
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	2	0.84
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	7	0.84
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	10	0.84
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	2	0.84
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	7	0.84
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	13	0.84
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	5	0.84
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	10	0.84
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	12	0.84
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	13	0.84
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	9	0.84
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	13	0.84
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	1	0.84
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	3	0.84
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	9	0.84
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	13	0.84
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	14	0.84
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	17	0.84
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	6	0.84
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	6	0.84
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	6	0.84
(1,1484)	1:354:A:MET:HE1	1:446:A:PRO:HG3	13	0.84
(1,1484)	1:354:A:MET:HE2	1:446:A:PRO:HG3	13	0.84
(1,1484)	1:354:A:MET:HE3	1:446:A:PRO:HG3	13	0.84
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	5	0.84
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	3	0.84
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	4	0.84
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	5	0.84
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	10	0.84
(1,1315)	1:357:A:TYR:HA	1:357:A:TYR:HB2	14	0.84
(1,1301)	1:408:A:ASN:HA	1:408:A:ASN:HD21	4	0.84
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	9	0.84
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	2	0.84
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	3	0.84
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	4	0.84
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	14	0.84
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	2	0.84
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	9	0.84
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	13	0.84
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	18	0.84
(1,949)	1:443:A:ILE:HA	1:444:A:ASN:H	8	0.84
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	4	0.84
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	5	0.84
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	8	0.84
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	11	0.84
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	2	0.84
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	6	0.84
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	11	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	1	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	2	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	3	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	4	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	5	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	6	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	7	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	8	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	9	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	10	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	11	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	12	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	13	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	15	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	16	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	17	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	18	0.84
(1,666)	1:450:A:MET:HB3	1:450:A:MET:HG2	20	0.84
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	2	0.84
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	4	0.84
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	8	0.84
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	9	0.84
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	10	0.84
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	12	0.84
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	15	0.84
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	16	0.84
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	3	0.84
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	13	0.84
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	17	0.84
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	6	0.84
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	7	0.84
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	9	0.84
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	10	0.84
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	12	0.84
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	14	0.84
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	15	0.84
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	1	0.84
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	8	0.84
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	15	0.84
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	20	0.84
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	16	0.84
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	18	0.84
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	5	0.84
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	8	0.84
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	3	0.84
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	3	0.84
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	3	0.84
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	13	0.84
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	13	0.84
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	13	0.84
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	10	0.84
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	4	0.84
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	2	0.84
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	3	0.84
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	4	0.84
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	6	0.84
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	9	0.84
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	13	0.84
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	14	0.84
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	16	0.84
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	20	0.84
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	5	0.84
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	5	0.84
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	5	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	1	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	2	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	3	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	4	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	5	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	6	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	7	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	8	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	9	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	10	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	11	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	12	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	13	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	14	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	15	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	16	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	17	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	18	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	19	0.84
(1,107)	1:354:A:MET:HG3	1:354:A:MET:HG2	20	0.84
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	16	0.84
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	16	0.84
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	16	0.84
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	2	0.84
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	3	0.84
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	4	0.84
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	14	0.84
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	1	0.84
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	1	0.84
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	1	0.84
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	3	0.84
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	3	0.84
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	3	0.84
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	16	0.84
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	16	0.84
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	16	0.84
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	18	0.84
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	19	0.84
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG21	7	0.83
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG22	7	0.83
(1,4216)	1:436:A:THR:H	1:436:A:THR:HG23	7	0.83
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	15	0.83
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	15	0.83
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	15	0.83
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	4	0.83
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	5	0.83
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	7	0.83
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	11	0.83
(1,4166)	1:363:A:ALA:H	1:362:A:VAL:HB	20	0.83
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	8	0.83
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	16	0.83
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	2	0.83
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	9	0.83
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	6	0.83
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	8	0.83
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	15	0.83
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	15	0.83
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	15	0.83
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	15	0.83
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	19	0.83
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	16	0.83
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	6	0.83
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	4	0.83
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	17	0.83
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	1	0.83
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	2	0.83
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	3	0.83
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	14	0.83
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	1	0.83
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	7	0.83
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	9	0.83
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	15	0.83
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	16	0.83
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	17	0.83
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	10	0.83
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	20	0.83
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	3	0.83
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	3	0.83
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	7	0.83
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	7	0.83
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	3	0.83
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	16	0.83
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	20	0.83
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	20	0.83
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	20	0.83
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	20	0.83
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	2	0.83
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	5	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	1	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	1	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	1	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	2	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	2	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	6	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	6	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	6	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	8	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	8	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	8	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	10	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	10	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	10	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	11	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	11	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	11	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	12	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	12	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	12	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	13	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	13	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	13	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	14	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	14	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	14	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	15	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	15	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	15	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	20	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	20	0.83
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	20	0.83
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	4	0.83
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	4	0.83
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	4	0.83
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	9	0.83
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	9	0.83
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	9	0.83
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	12	0.83
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	12	0.83
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	12	0.83
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	13	0.83
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	13	0.83
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	13	0.83
(1,3126)	1:363:A:ALA:HB1	1:364:A:LEU:HA	18	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3126)	1:363:A:ALA:HB2	1:364:A:LEU:HA	18	0.83
(1,3126)	1:363:A:ALA:HB3	1:364:A:LEU:HA	18	0.83
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	11	0.83
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	3	0.83
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	3	0.83
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	3	0.83
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	3	0.83
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	3	0.83
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	3	0.83
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	3	0.83
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	3	0.83
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	3	0.83
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	17	0.83
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	17	0.83
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	17	0.83
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	17	0.83
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	17	0.83
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	17	0.83
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	17	0.83
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	17	0.83
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	17	0.83
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	20	0.83
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	20	0.83
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	20	0.83
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	20	0.83
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	20	0.83
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	20	0.83
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	20	0.83
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	20	0.83
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	20	0.83
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	3	0.83
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	5	0.83
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	6	0.83
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	8	0.83
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	12	0.83
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	14	0.83
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	15	0.83
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	16	0.83
(1,3046)	1:459:A:LYS:HA	1:459:A:LYS:H	17	0.83
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	19	0.83
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	19	0.83
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	19	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	2	0.83
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	2	0.83
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	2	0.83
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	2	0.83
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	2	0.83
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	2	0.83
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	2	0.83
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	2	0.83
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	2	0.83
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	6	0.83
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	5	0.83
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	14	0.83
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	2	0.83
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	15	0.83
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	19	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	2	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	3	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	5	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	6	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	7	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	9	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	10	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	11	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	13	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	15	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	18	0.83
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	20	0.83
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	11	0.83
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	3	0.83
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	3	0.83
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	3	0.83
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	4	0.83
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	4	0.83
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	4	0.83
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	8	0.83
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	8	0.83
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	8	0.83
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	10	0.83
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	10	0.83
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	10	0.83
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	14	0.83
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	14	0.83
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	19	0.83
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	19	0.83
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	19	0.83
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	3	0.83
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	6	0.83
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	11	0.83
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	18	0.83
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	18	0.83
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	18	0.83
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	8	0.83
(1,2301)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	8	0.83
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	6	0.83
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	9	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	1	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	2	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	3	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	4	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	6	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	8	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	9	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	10	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	11	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	12	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	16	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	17	0.83
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	18	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	2	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	2	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	4	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	4	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	6	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	6	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	9	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	9	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	13	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	13	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	18	0.83
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	18	0.83
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	5	0.83
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	7	0.83
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	6	0.83
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	9	0.83
(1,1928)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	5	0.83
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	2	0.83
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	5	0.83
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	14	0.83
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	17	0.83
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	20	0.83
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	18	0.83
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	3	0.83
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	8	0.83
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	16	0.83
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	19	0.83
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	20	0.83
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	9	0.83
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	11	0.83
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	14	0.83
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	20	0.83
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	8	0.83
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	3	0.83
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	16	0.83
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	17	0.83
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	1	0.83
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	2	0.83
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	5	0.83
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	10	0.83
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	1	0.83
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	5	0.83
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	8	0.83
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	15	0.83
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	19	0.83
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	20	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	1	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	5	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	6	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	7	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	8	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	9	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	10	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	11	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	12	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	13	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	15	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	16	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	17	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	18	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	19	0.83
(1,1283)	1:402:A:PRO:HD3	1:402:A:PRO:HD2	20	0.83
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	3	0.83
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	4	0.83
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	6	0.83
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	8	0.83
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	10	0.83
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	14	0.83
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	1	0.83
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	19	0.83
(1,1008)	1:361:A:LYS:HE2	1:361:A:LYS:HA	15	0.83
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	6	0.83
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	8	0.83
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	10	0.83
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	11	0.83
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	12	0.83
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	15	0.83
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	20	0.83
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	14	0.83
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	2	0.83
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	13	0.83
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	14	0.83
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	20	0.83
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	3	0.83
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	9	0.83
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	14	0.83
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	15	0.83
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	17	0.83
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	5	0.83
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	14	0.83
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	20	0.83
(1,608)	1:387:A:LYS:HD2	1:387:A:LYS:H	1	0.83
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	8	0.83
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	2	0.83
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	11	0.83
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	13	0.83
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	17	0.83
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	19	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	20	0.83
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	4	0.83
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	19	0.83
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	17	0.83
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	3	0.83
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	6	0.83
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	12	0.83
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	13	0.83
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	18	0.83
(1,392)	1:436:A:THR:HG21	1:436:A:THR:H	7	0.83
(1,392)	1:436:A:THR:HG22	1:436:A:THR:H	7	0.83
(1,392)	1:436:A:THR:HG23	1:436:A:THR:H	7	0.83
(1,317)	1:352:A:GLN:HA	1:352:A:GLN:HG2	3	0.83
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	1	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	1	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	5	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	7	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	8	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	10	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	11	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	12	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	15	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	17	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	18	0.83
(1,253)	1:343:A:THR:HA	1:343:A:THR:H	19	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	7	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	7	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	7	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	9	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	9	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	9	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	11	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	11	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	11	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	18	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	18	0.83
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	18	0.83
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	11	0.83
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	11	0.83
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	11	0.83
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	20	0.83
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	20	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	20	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	1	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	5	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	6	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	7	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	8	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	9	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	10	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	11	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	12	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	13	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	15	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	16	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	17	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	18	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	19	0.83
(1,87)	1:402:A:PRO:HD2	1:402:A:PRO:HD3	20	0.83
(1,85)	1:437:A:ARG:HD2	1:437:A:ARG:HA	9	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	7	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	7	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	7	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	9	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	9	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	9	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	13	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	13	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	13	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	15	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	15	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	15	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	17	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	17	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	17	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	20	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	20	0.83
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	20	0.83
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	16	0.83
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	8	0.82
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	8	0.82
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	8	0.82
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	5	0.82
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	5	0.82
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	6	0.82
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	6	0.82
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	6	0.82
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD11	5	0.82
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD12	5	0.82
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD13	5	0.82
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	3	0.82
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	6	0.82
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	12	0.82
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	13	0.82
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	15	0.82
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	15	0.82
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	13	0.82
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	7	0.82
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	7	0.82
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	6	0.82
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	8	0.82
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	8	0.82
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	8	0.82
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	16	0.82
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	16	0.82
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	16	0.82
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	19	0.82
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	19	0.82
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	19	0.82
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	10	0.82
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	13	0.82
(1,3556)	1:349:A:LEU:H	1:350:A:GLU:H	19	0.82
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	8	0.82
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	19	0.82
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	9	0.82
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	13	0.82
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	3	0.82
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	4	0.82
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	6	0.82
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	10	0.82
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	11	0.82
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	12	0.82
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	14	0.82
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	18	0.82
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	8	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	1	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	1	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	1	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	1	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	2	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	2	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	2	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	2	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	3	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	3	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	3	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	3	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	4	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	4	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	4	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	4	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	5	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	5	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	5	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	5	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	6	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	6	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	6	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	6	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	7	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	7	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	7	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	7	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	8	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	8	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	8	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	8	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	9	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	9	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	9	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	9	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	10	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	10	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	10	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	10	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	11	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	11	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	11	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	11	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	12	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	12	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	12	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	12	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	13	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	13	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	13	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	13	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	14	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	14	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	14	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	14	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	15	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	15	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	15	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	15	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	16	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	16	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	16	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	16	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	17	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	17	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	17	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	17	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	18	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	18	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	18	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	18	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	19	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	19	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	19	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	19	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	20	0.82
(1,3404)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	20	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	20	0.82
(1,3404)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	20	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	1	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	1	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	1	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	2	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	2	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	2	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	2	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	3	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	3	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	3	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	3	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	4	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	4	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	4	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	4	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	5	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	5	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	5	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	5	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	6	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	6	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	6	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	6	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	7	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	7	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	7	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	7	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	8	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	8	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	8	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	8	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	9	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	9	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	9	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	9	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	10	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	10	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	10	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	10	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	11	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	11	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	11	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	11	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	12	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	12	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	12	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	12	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	13	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	13	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	13	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	13	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	14	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	14	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	14	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	14	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	15	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	15	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	15	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	15	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	16	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	16	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	16	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	16	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	17	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	17	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	17	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	17	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	18	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	18	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	18	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	18	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	19	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	19	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	19	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	19	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE1	20	0.82
(1,3333)	1:409:A:TYR:HD1	1:409:A:TYR:HE2	20	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE1	20	0.82
(1,3333)	1:409:A:TYR:HD2	1:409:A:TYR:HE2	20	0.82
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	13	0.82
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	11	0.82
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	11	0.82
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	11	0.82
(1,3148)	1:418:A:VAL:HA	1:419:A:GLY:H	15	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	9	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	9	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	9	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	16	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	16	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	16	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	17	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	17	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	17	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	18	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	18	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	18	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE1	19	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE2	19	0.82
(1,3130)	1:456:A:MET:HA	1:456:A:MET:HE3	19	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	13	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	13	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	13	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	13	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	13	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	13	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	13	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	13	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	13	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	14	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	14	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	14	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	14	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	14	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	14	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	14	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	14	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	14	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	15	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	15	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	15	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	15	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	15	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	15	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	15	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	15	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	15	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	19	0.82
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	19	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	19	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	19	0.82
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	19	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	19	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	19	0.82
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	19	0.82
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	2	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	1	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	1	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	1	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	1	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	1	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	1	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	1	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	1	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	1	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	8	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	8	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	8	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	8	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	8	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	8	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	8	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	8	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	8	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	13	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	13	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	13	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	13	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	13	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	13	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	13	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	13	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	13	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	16	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	16	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	16	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	16	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	16	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	16	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	16	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	16	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	16	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	20	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	20	0.82
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	20	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	20	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	20	0.82
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	20	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	20	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	20	0.82
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	20	0.82
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	5	0.82
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	11	0.82
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	20	0.82
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	2	0.82
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	3	0.82
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	14	0.82
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	18	0.82
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	19	0.82
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	16	0.82
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	18	0.82
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	19	0.82
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	20	0.82
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	2	0.82
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	2	0.82
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	2	0.82
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	19	0.82
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	19	0.82
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	19	0.82
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	5	0.82
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	7	0.82
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	13	0.82
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	16	0.82
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	20	0.82
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	6	0.82
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	9	0.82
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	20	0.82
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	1	0.82
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	4	0.82
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	8	0.82
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	12	0.82
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	17	0.82
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	19	0.82
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	15	0.82
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	9	0.82
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	9	0.82
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	9	0.82
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	11	0.82
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	11	0.82
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	11	0.82
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	13	0.82
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	13	0.82
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	13	0.82
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	8	0.82
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	10	0.82
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	11	0.82
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	12	0.82
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	14	0.82
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	17	0.82
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	13	0.82
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	11	0.82
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	19	0.82
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	9	0.82
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	16	0.82
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	13	0.82
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	4	0.82
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	17	0.82
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	5	0.82
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	15	0.82
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	8	0.82
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	16	0.82
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	7	0.82
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	16	0.82
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	20	0.82
(1,2173)	1:457:A:VAL:HB	1:457:A:VAL:HA	19	0.82
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	1	0.82
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	1	0.82
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	1	0.82
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	8	0.82
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	8	0.82
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	10	0.82
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	10	0.82
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	14	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	1	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	1	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	1	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	2	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	2	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	2	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	4	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	4	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	4	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	6	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	6	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	6	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	7	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	7	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	7	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	8	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	8	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	8	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	9	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	9	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	9	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	10	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	10	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	10	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	11	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	11	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	11	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	12	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	12	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	12	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	13	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	13	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	13	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	17	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	17	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	17	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	18	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	18	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	18	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	19	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	19	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	20	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	20	0.82
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	20	0.82
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	11	0.82
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	3	0.82
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	5	0.82
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	5	0.82
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	1	0.82
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	9	0.82
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	10	0.82
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	16	0.82
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	18	0.82
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	19	0.82
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	10	0.82
(1,1839)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	9	0.82
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	3	0.82
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	14	0.82
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	15	0.82
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	19	0.82
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	6	0.82
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	5	0.82
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	14	0.82
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	1	0.82
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	5	0.82
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	8	0.82
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	10	0.82
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	15	0.82
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	17	0.82
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	18	0.82
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	7	0.82
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	11	0.82
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	15	0.82
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	19	0.82
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	4	0.82
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	6	0.82
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	18	0.82
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	3	0.82
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	6	0.82
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	9	0.82
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	15	0.82
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	11	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	11	0.82
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	11	0.82
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	19	0.82
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	19	0.82
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	19	0.82
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	14	0.82
(1,1413)	1:459:A:LYS:HG3	1:459:A:LYS:H	13	0.82
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	20	0.82
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	7	0.82
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	11	0.82
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	19	0.82
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	20	0.82
(1,1182)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	17	0.82
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	2	0.82
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	3	0.82
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	7	0.82
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	13	0.82
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	14	0.82
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	17	0.82
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	17	0.82
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	17	0.82
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	17	0.82
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	1	0.82
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	6	0.82
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	9	0.82
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	10	0.82
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	12	0.82
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	15	0.82
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	7	0.82
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	12	0.82
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	13	0.82
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	19	0.82
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	20	0.82
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	6	0.82
(1,558)	1:426:A:GLN:HA	1:426:A:GLN:HB2	3	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	1	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	3	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	4	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	5	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	6	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	8	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	9	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	10	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	12	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	14	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	15	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	18	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	19	0.82
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	20	0.82
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	9	0.82
(1,489)	1:340:A:MET:HA	1:341:A:GLU:HB2	20	0.82
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	6	0.82
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	1	0.82
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	4	0.82
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	19	0.82
(1,317)	1:352:A:GLN:HA	1:352:A:GLN:HG2	5	0.82
(1,317)	1:352:A:GLN:HA	1:352:A:GLN:HG2	18	0.82
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	4	0.82
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	5	0.82
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	7	0.82
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	9	0.82
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	10	0.82
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	12	0.82
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	14	0.82
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	19	0.82
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	20	0.82
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	6	0.82
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	8	0.82
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	11	0.82
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	13	0.82
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	15	0.82
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	16	0.82
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	19	0.82
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	20	0.82
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	13	0.82
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	13	0.82
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	13	0.82
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	15	0.82
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	15	0.82
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	15	0.82
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	20	0.82
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	20	0.82
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	20	0.82
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	3	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	18	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	3	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	3	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	3	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	5	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	5	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	5	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	10	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	10	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	10	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	15	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	15	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	15	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	16	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	16	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	16	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	17	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	17	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	17	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	20	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	20	0.82
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	20	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	12	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	12	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	12	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	15	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	15	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	15	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	17	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	17	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	17	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	19	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	19	0.82
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	19	0.82
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	5	0.82
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	5	0.82
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	5	0.82
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	8	0.82
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	8	0.82
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	8	0.82
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	5	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	3	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	4	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	5	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	6	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	7	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	8	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	9	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	10	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	14	0.82
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	17	0.82
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	3	0.81
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	3	0.81
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	3	0.81
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	7	0.81
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	7	0.81
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	7	0.81
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	2	0.81
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	10	0.81
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	19	0.81
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	10	0.81
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	11	0.81
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	12	0.81
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	16	0.81
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	17	0.81
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	15	0.81
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	18	0.81
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	20	0.81
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	1	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	4	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	4	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	4	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	7	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	7	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	7	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	9	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	9	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	9	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	11	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	11	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	11	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	14	0.81
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	14	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	14	0.81
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	15	0.81
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	8	0.81
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	16	0.81
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	18	0.81
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	20	0.81
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	2	0.81
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	8	0.81
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	13	0.81
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	2	0.81
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	4	0.81
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB1	11	0.81
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB2	11	0.81
(1,3396)	1:382:A:PHE:HD1	1:379:A:ALA:HB3	11	0.81
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB1	11	0.81
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB2	11	0.81
(1,3396)	1:382:A:PHE:HD2	1:379:A:ALA:HB3	11	0.81
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	13	0.81
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	13	0.81
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	1	0.81
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	2	0.81
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	15	0.81
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	13	0.81
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	13	0.81
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	13	0.81
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	4	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	1	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	1	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	1	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	1	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	1	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	1	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	1	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	1	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	1	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	2	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	2	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	2	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	2	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	2	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	2	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	2	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	2	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	2	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	7	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	7	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	7	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	7	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	7	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	7	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	7	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	7	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	7	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	9	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	9	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	9	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	9	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	9	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	9	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	9	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	9	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	9	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	10	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	10	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	10	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	10	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	10	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	10	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	10	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	10	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	10	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	16	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	16	0.81
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	16	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	16	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	16	0.81
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	16	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	16	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	16	0.81
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	16	0.81
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	3	0.81
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	13	0.81
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	14	0.81
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	15	0.81
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	15	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	4	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	4	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	4	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	4	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	4	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	4	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	4	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	4	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	4	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	6	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	6	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	6	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	6	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	6	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	6	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	6	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	6	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	6	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	7	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	7	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	7	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	7	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	7	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	7	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	7	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	7	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	7	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	10	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	10	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	10	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	10	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	10	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	10	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	10	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	10	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	10	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	11	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	11	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	11	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	11	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	11	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	11	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	11	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	11	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	14	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	14	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	14	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	14	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	14	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	14	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	14	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	14	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	14	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	18	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	18	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	18	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	18	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	18	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	18	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	18	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	18	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	18	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	19	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	19	0.81
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	19	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	19	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	19	0.81
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	19	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	19	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	19	0.81
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	19	0.81
(1,2977)	1:345:A:ILE:HA	1:346:A:GLU:H	15	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	1	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	4	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	5	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	6	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	7	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	9	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	11	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	13	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	17	0.81
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	20	0.81
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	1	0.81
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	9	0.81
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	10	0.81
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	17	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	1	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	1	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	1	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	3	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	3	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	3	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	4	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	4	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	4	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	5	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	5	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	5	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	6	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	6	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	6	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	7	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	7	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	7	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	8	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	8	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	8	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	9	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	9	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	9	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	10	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	10	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	10	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	11	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	11	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	11	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	12	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	12	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	12	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	13	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	13	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	14	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	14	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	14	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	15	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	15	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	15	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	16	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	16	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	16	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	17	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	17	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	17	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	18	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	18	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	18	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD21	20	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD22	20	0.81
(1,2841)	1:453:A:LEU:HG	1:453:A:LEU:HD23	20	0.81
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	10	0.81
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	18	0.81
(1,2702)	1:445:A:THR:HA	1:445:A:THR:HB	16	0.81
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	4	0.81
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	6	0.81
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	13	0.81
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	20	0.81
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	15	0.81
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	15	0.81
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	15	0.81
(1,2657)	1:375:A:THR:HG21	1:375:A:THR:H	16	0.81
(1,2657)	1:375:A:THR:HG22	1:375:A:THR:H	16	0.81
(1,2657)	1:375:A:THR:HG23	1:375:A:THR:H	16	0.81
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	2	0.81
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	4	0.81
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	5	0.81
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	6	0.81
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	7	0.81
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	15	0.81
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	19	0.81
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	20	0.81
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	6	0.81
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	2	0.81
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	2	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	2	0.81
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	2	0.81
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	2	0.81
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	2	0.81
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	2	0.81
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	2	0.81
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	2	0.81
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	5	0.81
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	5	0.81
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	5	0.81
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	5	0.81
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	5	0.81
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	5	0.81
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	5	0.81
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	5	0.81
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	5	0.81
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	6	0.81
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	6	0.81
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	6	0.81
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	6	0.81
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	6	0.81
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	6	0.81
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	6	0.81
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	6	0.81
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	6	0.81
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	14	0.81
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	1	0.81
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	6	0.81
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	13	0.81
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	17	0.81
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	7	0.81
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	4	0.81
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	4	0.81
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	4	0.81
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	11	0.81
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	11	0.81
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	11	0.81
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	4	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	1	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	2	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	3	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	6	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	7	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	8	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	9	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	10	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	11	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	12	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	16	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	17	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	18	0.81
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	19	0.81
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	14	0.81
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	19	0.81
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	2	0.81
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	5	0.81
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	13	0.81
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	14	0.81
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	15	0.81
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	12	0.81
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	12	0.81
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	12	0.81
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	12	0.81
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	7	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	3	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	3	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	5	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	5	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	7	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	7	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	11	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	11	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	12	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	12	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	15	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	15	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	16	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	16	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	17	0.81
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	17	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	3	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	3	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	3	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	5	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	5	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	14	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	14	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	14	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	15	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	15	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	15	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD11	16	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD12	16	0.81
(1,2013)	1:345:A:ILE:HG13	1:345:A:ILE:HD13	16	0.81
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	2	0.81
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	1	0.81
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	12	0.81
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	17	0.81
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	18	0.81
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	18	0.81
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	18	0.81
(1,1922)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	4	0.81
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	2	0.81
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	14	0.81
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	2	0.81
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	4	0.81
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	5	0.81
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	6	0.81
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	8	0.81
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	9	0.81
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	10	0.81
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	13	0.81
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	14	0.81
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	14	0.81
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	14	0.81
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	18	0.81
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	9	0.81
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	15	0.81
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	16	0.81
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	20	0.81
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	3	0.81
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	4	0.81
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	6	0.81
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	1	0.81
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	2	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	3	0.81
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	6	0.81
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	16	0.81
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	18	0.81
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	18	0.81
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	1	0.81
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	15	0.81
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	15	0.81
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	15	0.81
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	15	0.81
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	7	0.81
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	13	0.81
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	18	0.81
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	1	0.81
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	1	0.81
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	1	0.81
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	6	0.81
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	6	0.81
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	6	0.81
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	4	0.81
(1,1509)	1:406:A:PRO:HB3	1:407:A:VAL:HA	11	0.81
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	2	0.81
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	8	0.81
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	12	0.81
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	14	0.81
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	2	0.81
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	8	0.81
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	12	0.81
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	13	0.81
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	16	0.81
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	18	0.81
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	13	0.81
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	1	0.81
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	1	0.81
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	1	0.81
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	4	0.81
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	5	0.81
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	9	0.81
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	18	0.81
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	19	0.81
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	8	0.81
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	8	0.81
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	3	0.81
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	7	0.81
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	17	0.81
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	1	0.81
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	4	0.81
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	5	0.81
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	8	0.81
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	2	0.81
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	7	0.81
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	11	0.81
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	13	0.81
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	16	0.81
(1,552)	1:349:A:LEU:HA	1:349:A:LEU:HB3	17	0.81
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	11	0.81
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	12	0.81
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	15	0.81
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	20	0.81
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	1	0.81
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	2	0.81
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	3	0.81
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	6	0.81
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	8	0.81
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	11	0.81
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	13	0.81
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	15	0.81
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	16	0.81
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	17	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	1	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	3	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	4	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	5	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	7	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	9	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	10	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	12	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	14	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	17	0.81
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	18	0.81
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	5	0.81
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	8	0.81
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	16	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	2	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	2	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	2	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	4	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	4	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	4	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	8	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	8	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	8	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	12	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	12	0.81
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	12	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	1	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	1	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	1	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	3	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	3	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	3	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	4	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	4	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	4	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	14	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	14	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	14	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	18	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	18	0.81
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	18	0.81
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	4	0.81
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	5	0.81
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	15	0.81
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	19	0.81
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	4	0.81
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	4	0.81
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	4	0.81
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	11	0.81
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	11	0.81
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	11	0.81
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	14	0.81
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	14	0.81
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	14	0.81
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	12	0.81
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	19	0.81
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	2	0.81
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	11	0.81
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	12	0.81
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	13	0.81
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	15	0.81
(1,45)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	20	0.81
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	4	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	4	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	4	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	8	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	8	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	8	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	9	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	9	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	9	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	10	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	10	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	10	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	13	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	13	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	13	0.8
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	9	0.8
(1,4082)	1:422:A:ASP:H	1:451:A:LYS:H	14	0.8
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	3	0.8
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	4	0.8
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	8	0.8
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	9	0.8
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	10	0.8
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	14	0.8
(1,3827)	1:347:A:VAL:H	1:465:A:VAL:HA	6	0.8
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	13	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	1	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	1	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	1	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	5	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	5	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	5	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	12	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	12	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	17	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	17	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	17	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	18	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	18	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	18	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	20	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	20	0.8
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	20	0.8
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	7	0.8
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	11	0.8
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	3	0.8
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	14	0.8
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	16	0.8
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	17	0.8
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	18	0.8
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	20	0.8
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	2	0.8
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	4	0.8
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	6	0.8
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	15	0.8
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	17	0.8
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	5	0.8
(1,3485)	1:384:A:VAL:H	1:383:A:TYR:HA	20	0.8
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	14	0.8
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	14	0.8
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	7	0.8
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	8	0.8
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	9	0.8
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	14	0.8
(1,3240)	1:440:A:HIS:HD2	1:439:A:SER:HB3	1	0.8
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	14	0.8
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	14	0.8
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	14	0.8
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	5	0.8
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	4	0.8
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	4	0.8
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	4	0.8
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	4	0.8
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	4	0.8
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	4	0.8
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	4	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	4	0.8
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	4	0.8
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	6	0.8
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	6	0.8
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	6	0.8
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	6	0.8
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	6	0.8
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	6	0.8
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	6	0.8
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	6	0.8
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	6	0.8
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	8	0.8
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	8	0.8
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	8	0.8
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	8	0.8
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	8	0.8
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	8	0.8
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	8	0.8
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	8	0.8
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	8	0.8
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	3	0.8
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	3	0.8
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	3	0.8
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	5	0.8
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	5	0.8
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	5	0.8
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	13	0.8
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	13	0.8
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	13	0.8
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	17	0.8
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	17	0.8
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	17	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	5	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	5	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	5	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	5	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	5	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	5	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	5	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	5	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	5	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	9	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	9	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	9	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	9	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	9	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	9	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	9	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	9	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	9	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	15	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	15	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	15	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	15	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	15	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	15	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	15	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	15	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	15	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	17	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	17	0.8
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	17	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	17	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	17	0.8
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	17	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	17	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	17	0.8
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	17	0.8
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	2	0.8
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	4	0.8
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	8	0.8
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	10	0.8
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	12	0.8
(1,2937)	1:450:A:MET:HA	1:450:A:MET:HG2	16	0.8
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	6	0.8
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	19	0.8
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	4	0.8
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	7	0.8
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	8	0.8
(1,2765)	1:377:A:THR:HB	1:377:A:THR:HA	15	0.8
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	11	0.8
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	1	0.8
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	2	0.8
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	3	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	5	0.8
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	8	0.8
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	9	0.8
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	10	0.8
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	16	0.8
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	18	0.8
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	1	0.8
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	13	0.8
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	18	0.8
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	5	0.8
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	16	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	4	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	4	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	4	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	4	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	4	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	4	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	4	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	4	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	4	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	8	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	8	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	8	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	8	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	8	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	8	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	8	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	8	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	8	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	12	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	12	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	12	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	12	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	12	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	12	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	12	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	12	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	12	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	14	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	14	0.8
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	14	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	14	0.8
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	14	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	14	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	14	0.8
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	14	0.8
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	4	0.8
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	7	0.8
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	8	0.8
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG21	19	0.8
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG22	19	0.8
(1,2436)	1:345:A:ILE:HG12	1:461:A:THR:HG23	19	0.8
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	20	0.8
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	6	0.8
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	10	0.8
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	14	0.8
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	14	0.8
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	14	0.8
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	15	0.8
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	15	0.8
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	15	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	1	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	2	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	3	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	5	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	6	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	8	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	9	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	10	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	11	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	12	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	14	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	15	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	17	0.8
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	18	0.8
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	4	0.8
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	13	0.8
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	14	0.8
(1,2262)	1:420:A:ILE:HB	1:420:A:ILE:HA	20	0.8
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	12	0.8
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	18	0.8
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	20	0.8
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	3	0.8
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	4	0.8
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	6	0.8
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	9	0.8
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	10	0.8
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	11	0.8
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	12	0.8
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	18	0.8
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	19	0.8
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	19	0.8
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	9	0.8
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	9	0.8
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	9	0.8
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	19	0.8
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	19	0.8
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	4	0.8
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	9	0.8
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	4	0.8
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	10	0.8
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	18	0.8
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	11	0.8
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	11	0.8
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	11	0.8
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	17	0.8
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	5	0.8
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	9	0.8
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	17	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	1	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	3	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	4	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	5	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	6	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	8	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	9	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	10	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	12	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	13	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	16	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	18	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	19	0.8
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	20	0.8
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	7	0.8
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	18	0.8
(1,1744)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	14	0.8
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	2	0.8
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	3	0.8
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	7	0.8
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	8	0.8
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	18	0.8
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	12	0.8
(1,1691)	1:435:A:LYS:HE3	1:435:A:LYS:HB3	20	0.8
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	3	0.8
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	2	0.8
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	12	0.8
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	20	0.8
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	7	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	3	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	3	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	3	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	4	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	4	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	4	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	5	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	5	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	5	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	9	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	9	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	9	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	14	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	14	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	14	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	15	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	15	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	15	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	16	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	16	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	16	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	17	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	17	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	17	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	18	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	18	0.8
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	16	0.8
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	10	0.8
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	15	0.8
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	5	0.8
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	7	0.8
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	9	0.8
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	11	0.8
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	13	0.8
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	14	0.8
(1,1301)	1:408:A:ASN:HA	1:408:A:ASN:HD21	10	0.8
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	2	0.8
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	5	0.8
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	9	0.8
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	10	0.8
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	15	0.8
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	3	0.8
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	17	0.8
(1,1202)	1:429:A:TYR:HA	1:429:A:TYR:HB3	9	0.8
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	3	0.8
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	7	0.8
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	9	0.8
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	12	0.8
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	15	0.8
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	16	0.8
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	17	0.8
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	16	0.8
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	16	0.8
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	16	0.8
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	19	0.8
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	19	0.8
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	19	0.8
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	16	0.8
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	10	0.8
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	10	0.8
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	10	0.8
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	14	0.8
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	14	0.8
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	14	0.8
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	16	0.8
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	16	0.8
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	16	0.8
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	20	0.8
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	20	0.8
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	16	0.8
(1,817)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	18	0.8
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	16	0.8
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	5	0.8
(1,254)	1:367:A:ASP:HA	1:368:A:ILE:H	16	0.8
(1,229)	1:339:A:HIS:HA	1:339:A:HIS:HB3	18	0.8
(1,210)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	18	0.8
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	11	0.8
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	12	0.8
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	16	0.8
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	17	0.8
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	20	0.8
(1,133)	1:395:A:GLY:HA2	1:395:A:GLY:H	2	0.8
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	1	0.8
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	2	0.8
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	9	0.8
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	12	0.8
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	13	0.8
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	14	0.8
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	17	0.8
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	1	0.8
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	1	0.8
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	1	0.8
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG21	14	0.8
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG22	14	0.8
(1,103)	1:368:A:ILE:HA	1:368:A:ILE:HG23	14	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	2	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	2	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	2	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	9	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	9	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	9	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	10	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	10	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	10	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	13	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	13	0.8
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	13	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	1	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	2	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	3	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	6	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	7	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	8	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	9	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	10	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	11	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	12	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	13	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	14	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	16	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	17	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	18	0.8
(1,75)	1:410:A:TRP:HB3	1:410:A:TRP:HA	20	0.8
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	19	0.8
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	19	0.8
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	19	0.8
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	13	0.8
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	1	0.79
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	1	0.79
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	1	0.79
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	14	0.79
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	14	0.79
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	14	0.79
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	18	0.79
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	18	0.79
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	18	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD11	6	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD12	6	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD13	6	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD11	11	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD12	11	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD13	11	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD11	16	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD12	16	0.79
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD13	16	0.79
(1,4146)	1:359:A:ASP:H	1:360:A:GLY:H	4	0.79
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	5	0.79
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	5	0.79
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	3	0.79
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	10	0.79
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	3	0.79
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	5	0.79
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	14	0.79
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	20	0.79
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	12	0.79
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	12	0.79
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	12	0.79
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	2	0.79
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	2	0.79
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	2	0.79
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	13	0.79
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	13	0.79
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	13	0.79
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	5	0.79
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	7	0.79
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	5	0.79
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	7	0.79
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	16	0.79
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	13	0.79
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	1	0.79
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	1	0.79
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	5	0.79
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	5	0.79
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	9	0.79
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	9	0.79
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	19	0.79
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	12	0.79
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	12	0.79
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	12	0.79
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	19	0.79
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	19	0.79
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	19	0.79
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	18	0.79
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	18	0.79
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	18	0.79
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	18	0.79
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	18	0.79
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	18	0.79
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	18	0.79
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	18	0.79
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	18	0.79
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	6	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	7	0.79
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	1	0.79
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	7	0.79
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	7	0.79
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	7	0.79
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	8	0.79
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	8	0.79
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	8	0.79
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	13	0.79
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	13	0.79
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	13	0.79
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	16	0.79
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	16	0.79
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	16	0.79
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	6	0.79
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	6	0.79
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	6	0.79
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	9	0.79
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	9	0.79
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	9	0.79
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	3	0.79
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	3	0.79
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	3	0.79
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	3	0.79
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	3	0.79
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	3	0.79
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	3	0.79
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	3	0.79
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	3	0.79
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG21	12	0.79
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG22	12	0.79
(1,3028)	1:366:A:THR:HG21	1:449:A:VAL:HG23	12	0.79
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG21	12	0.79
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG22	12	0.79
(1,3028)	1:366:A:THR:HG22	1:449:A:VAL:HG23	12	0.79
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG21	12	0.79
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG22	12	0.79
(1,3028)	1:366:A:THR:HG23	1:449:A:VAL:HG23	12	0.79
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	10	0.79
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	1	0.79
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	2	0.79
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	12	0.79
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	7	0.79
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	9	0.79
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	11	0.79
(1,2697)	1:422:A:ASP:HB2	1:422:A:ASP:HA	14	0.79
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	7	0.79
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	12	0.79
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	14	0.79
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	17	0.79
(1,2670)	1:440:A:HIS:HB2	1:440:A:HIS:HA	19	0.79
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	9	0.79
(1,2612)	1:366:A:THR:HB	1:366:A:THR:H	16	0.79
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	1	0.79
(1,2540)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	17	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	1	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	1	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	1	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	1	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	1	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	1	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	1	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	1	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	1	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	9	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	9	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	9	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	9	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	9	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	9	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	9	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	9	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	9	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	15	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	15	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	15	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	15	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	15	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	15	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	15	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	15	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	15	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	16	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	16	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	16	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	16	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	16	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	16	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	16	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	16	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	16	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	17	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	17	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	17	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	17	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	17	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	17	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	17	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	17	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	17	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	18	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	18	0.79
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	18	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	18	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	18	0.79
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	18	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	18	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	18	0.79
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	18	0.79
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	14	0.79
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	9	0.79
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	16	0.79
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	7	0.79
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	7	0.79
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	7	0.79
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	19	0.79
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	19	0.79
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	19	0.79
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	7	0.79
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	13	0.79
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	16	0.79
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	19	0.79
(1,2270)	1:349:A:LEU:HB2	1:349:A:LEU:HG	20	0.79
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	4	0.79
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	8	0.79
(1,2227)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	17	0.79
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	13	0.79
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	7	0.79
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	7	0.79
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	7	0.79
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	19	0.79
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	19	0.79
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	19	0.79
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	16	0.79
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	20	0.79
(1,2029)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	20	0.79
(1,1996)	1:378:A:PRO:HB3	1:377:A:THR:HA	19	0.79
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	8	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	1	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	1	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	1	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	9	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	9	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	9	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	12	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	12	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	12	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	17	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	17	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	17	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	20	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	20	0.79
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	20	0.79
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	14	0.79
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	14	0.79
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	14	0.79
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	7	0.79
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	19	0.79
(1,1802)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	19	0.79
(1,1802)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	19	0.79
(1,1802)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	19	0.79
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	7	0.79
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	11	0.79
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	15	0.79
(1,1791)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	17	0.79
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	7	0.79
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	7	0.79
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	15	0.79
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	15	0.79
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	15	0.79
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	4	0.79
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	12	0.79
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	13	0.79
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	17	0.79
(1,1569)	1:377:A:THR:HG21	1:370:A:SER:HG	5	0.79
(1,1569)	1:377:A:THR:HG22	1:370:A:SER:HG	5	0.79
(1,1569)	1:377:A:THR:HG23	1:370:A:SER:HG	5	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	2	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	2	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	2	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	7	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	7	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	7	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	8	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	8	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	8	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	10	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	10	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	10	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	11	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	11	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	11	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	12	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	12	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	12	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	13	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	13	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	13	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	19	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	19	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	19	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG21	20	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG22	20	0.79
(1,1518)	1:345:A:ILE:HA	1:345:A:ILE:HG23	20	0.79
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	4	0.79
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	5	0.79
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	9	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	11	0.79
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	3	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	1	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	3	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	4	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	6	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	8	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	10	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	12	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	15	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	16	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	17	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	18	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	19	0.79
(1,1372)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	20	0.79
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	19	0.79
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	10	0.79
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	11	0.79
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	18	0.79
(1,1289)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	20	0.79
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	1	0.79
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	3	0.79
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	4	0.79
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	6	0.79
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	14	0.79
(1,1288)	1:348:A:ASP:HB2	1:348:A:ASP:HA	17	0.79
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	5	0.79
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	1	0.79
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	6	0.79
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	13	0.79
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	14	0.79
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	19	0.79
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	18	0.79
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	6	0.79
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	7	0.79
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	8	0.79
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	8	0.79
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	8	0.79
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	15	0.79
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	15	0.79
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	15	0.79
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	5	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	5	0.79
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	5	0.79
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	11	0.79
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	11	0.79
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	11	0.79
(1,1001)	1:351:A:ASN:HB2	1:351:A:ASN:H	1	0.79
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	2	0.79
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	2	0.79
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	2	0.79
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	4	0.79
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	4	0.79
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	4	0.79
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	11	0.79
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	11	0.79
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	11	0.79
(1,765)	1:406:A:PRO:HB2	1:405:A:SER:HA	18	0.79
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	20	0.79
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	20	0.79
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	20	0.79
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	10	0.79
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	6	0.79
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	8	0.79
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	16	0.79
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	17	0.79
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	7	0.79
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	13	0.79
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	20	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	1	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	2	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	3	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	5	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	7	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	9	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	10	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	11	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	13	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	16	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	17	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	19	0.79
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	20	0.79
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	1	0.79
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	6	0.79
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	7	0.79
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	10	0.79
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	11	0.79
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	19	0.79
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	20	0.79
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	3	0.79
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	2	0.78
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	2	0.78
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	2	0.78
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD11	19	0.78
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD12	19	0.78
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD13	19	0.78
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	2	0.78
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	12	0.78
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	18	0.78
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	8	0.78
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	20	0.78
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	10	0.78
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	11	0.78
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	12	0.78
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	17	0.78
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	20	0.78
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	20	0.78
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	20	0.78
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	3	0.78
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	3	0.78
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	3	0.78
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD11	6	0.78
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD12	6	0.78
(1,3687)	1:393:A:LEU:H	1:393:A:LEU:HD13	6	0.78
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	11	0.78
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	12	0.78
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	8	0.78
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	10	0.78
(1,3506)	1:397:A:ASN:HD21	1:397:A:ASN:H	12	0.78
(1,3354)	1:466:A:PHE:HE1	1:346:A:GLU:HG3	2	0.78
(1,3354)	1:466:A:PHE:HE2	1:346:A:GLU:HG3	2	0.78
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	11	0.78
(1,3240)	1:440:A:HIS:HD2	1:439:A:SER:HB3	3	0.78
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	2	0.78
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	2	0.78
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	7	0.78
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	7	0.78
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	7	0.78
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	10	0.78
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	10	0.78
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	10	0.78
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	16	0.78
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	16	0.78
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	16	0.78
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	17	0.78
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	17	0.78
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	17	0.78
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	11	0.78
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	19	0.78
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	15	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	1	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	3	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	4	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	5	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	8	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	10	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	11	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	12	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	13	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	15	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	16	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	17	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	18	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	19	0.78
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	20	0.78
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	9	0.78
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	1	0.78
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	1	0.78
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	1	0.78
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	16	0.78
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	6	0.78
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	14	0.78
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	3	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	3	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	3	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	3	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	3	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	3	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	3	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	3	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	3	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	7	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	7	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	7	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	7	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	7	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	7	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	7	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	7	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	7	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	11	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	11	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	11	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	11	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	11	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	11	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	11	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	11	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	11	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	13	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	13	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	13	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	13	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	13	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	13	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	13	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	13	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	13	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	20	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	20	0.78
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	20	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	20	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	20	0.78
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	20	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	20	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	20	0.78
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	3	0.78
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	14	0.78
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	15	0.78
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	16	0.78
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	19	0.78
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	17	0.78
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	17	0.78
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	17	0.78
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	10	0.78
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	11	0.78
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	20	0.78
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	5	0.78
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	14	0.78
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	20	0.78
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	3	0.78
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	5	0.78
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	6	0.78
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	9	0.78
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	10	0.78
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	11	0.78
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	12	0.78
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	15	0.78
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	18	0.78
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	1	0.78
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	5	0.78
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	10	0.78
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	11	0.78
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	12	0.78
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	20	0.78
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	1	0.78
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	1	0.78
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	1	0.78
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	15	0.78
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	15	0.78
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	15	0.78
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	18	0.78
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	18	0.78
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	18	0.78
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	2	0.78
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	9	0.78
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	19	0.78
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	2	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	2	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	2	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	3	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	3	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	3	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	4	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	4	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	4	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	5	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	5	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	5	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	10	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	10	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	10	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	16	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	16	0.78
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	16	0.78
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	6	0.78
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	6	0.78
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	6	0.78
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	8	0.78
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	8	0.78
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	8	0.78
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	15	0.78
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	15	0.78
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	15	0.78
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	20	0.78
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	20	0.78
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	20	0.78
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	4	0.78
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	4	0.78
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	4	0.78
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	15	0.78
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	15	0.78
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	15	0.78
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	5	0.78
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	12	0.78
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	12	0.78
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	16	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	2	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	2	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	3	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	3	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	3	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	6	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	6	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	6	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	13	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	13	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	13	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	18	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	18	0.78
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	18	0.78
(1,1752)	1:346:A:GLU:HB2	1:346:A:GLU:HG2	16	0.78
(1,1752)	1:346:A:GLU:HB2	1:346:A:GLU:HG2	17	0.78
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	1	0.78
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	6	0.78
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	19	0.78
(1,1692)	1:349:A:LEU:HB2	1:349:A:LEU:H	19	0.78
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	9	0.78
(1,1651)	1:341:A:GLU:HA	1:342:A:ASP:HB3	15	0.78
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	6	0.78
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	7	0.78
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	10	0.78
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	16	0.78
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	19	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	1	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	2	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	3	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	4	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	5	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	6	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	7	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	8	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	9	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	10	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	11	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	15	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	16	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	17	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	18	0.78
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	9	0.78
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	15	0.78
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	18	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	1	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	3	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	4	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	7	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	10	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	11	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	14	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	15	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	18	0.78
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	19	0.78
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	2	0.78
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	2	0.78
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	2	0.78
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	6	0.78
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	6	0.78
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	6	0.78
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	8	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	1	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	3	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	4	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	5	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	8	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	10	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	11	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	12	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	13	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	15	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	16	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	17	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	18	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	19	0.78
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	20	0.78
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	6	0.78
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	6	0.78
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	6	0.78
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	1	0.78
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	19	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	1	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	1	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	5	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	5	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	5	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	7	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	7	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	7	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	9	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	9	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	9	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	17	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	17	0.78
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	17	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	1	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	2	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	3	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	4	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	7	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	14	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	15	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	16	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	19	0.78
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	20	0.78
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	11	0.78
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	19	0.78
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	7	0.78
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	11	0.78
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	2	0.78
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	13	0.78
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	17	0.78
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	6	0.78
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	17	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	1	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	2	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	3	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	5	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	8	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	10	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	12	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	14	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	15	0.78
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	18	0.78
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	4	0.78
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	6	0.78
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	8	0.78
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	12	0.78
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	14	0.78
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	15	0.78
(1,196)	1:443:A:ILE:HB	1:443:A:ILE:HA	18	0.78
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	20	0.78
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	1	0.77
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	6	0.77
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	7	0.77
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	10	0.77
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	14	0.77
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	2	0.77
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	4	0.77
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	12	0.77
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	17	0.77
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	13	0.77
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	15	0.77
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	18	0.77
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	2	0.77
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	16	0.77
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	18	0.77
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	20	0.77
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	1	0.77
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	2	0.77
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	6	0.77
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	11	0.77
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	19	0.77
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	12	0.77
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	5	0.77
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	15	0.77
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	1	0.77
(1,3240)	1:440:A:HIS:HD2	1:439:A:SER:HB3	19	0.77
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	3	0.77
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	3	0.77
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	3	0.77
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	4	0.77
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	4	0.77
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	4	0.77
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	9	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	9	0.77
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	9	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	2	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	3	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	4	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	5	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	7	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	9	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	10	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	12	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	13	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	14	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	15	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	17	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	18	0.77
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	20	0.77
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD21	5	0.77
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD22	5	0.77
(1,3052)	1:363:A:ALA:HB1	1:453:A:LEU:HD23	5	0.77
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD21	5	0.77
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD22	5	0.77
(1,3052)	1:363:A:ALA:HB2	1:453:A:LEU:HD23	5	0.77
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD21	5	0.77
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD22	5	0.77
(1,3052)	1:363:A:ALA:HB3	1:453:A:LEU:HD23	5	0.77
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	2	0.77
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	9	0.77
(1,3039)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	14	0.77
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	20	0.77
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	18	0.77
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	18	0.77
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	18	0.77
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	10	0.77
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	10	0.77
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	10	0.77
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	6	0.77
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	3	0.77
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	13	0.77
(1,2896)	1:456:A:MET:HG2	1:457:A:VAL:H	15	0.77
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	7	0.77
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	7	0.77
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	7	0.77
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	13	0.77
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	14	0.77
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	1	0.77
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	14	0.77
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	17	0.77
(1,2596)	1:387:A:LYS:HB2	1:388:A:GLU:H	19	0.77
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	19	0.77
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	19	0.77
(1,2531)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	19	0.77
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	19	0.77
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	19	0.77
(1,2531)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	19	0.77
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	19	0.77
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	19	0.77
(1,2531)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	19	0.77
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	5	0.77
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	12	0.77
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	15	0.77
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	5	0.77
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	20	0.77
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	3	0.77
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	3	0.77
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	3	0.77
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	5	0.77
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	5	0.77
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	5	0.77
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	16	0.77
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	16	0.77
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	16	0.77
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	18	0.77
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	18	0.77
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	18	0.77
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	20	0.77
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	20	0.77
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	20	0.77
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	14	0.77
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	1	0.77
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	3	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	1	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	2	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	3	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	4	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	6	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	7	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	9	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	10	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	11	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	12	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	13	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	14	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	15	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	17	0.77
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	20	0.77
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	8	0.77
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	2	0.77
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	9	0.77
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	15	0.77
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	16	0.77
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	2	0.77
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	4	0.77
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	7	0.77
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	8	0.77
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	14	0.77
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	17	0.77
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	20	0.77
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	7	0.77
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	8	0.77
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	14	0.77
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	17	0.77
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	18	0.77
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	6	0.77
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	6	0.77
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	6	0.77
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	20	0.77
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	20	0.77
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	20	0.77
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	4	0.77
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	10	0.77
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	18	0.77
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	6	0.77
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	6	0.77
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	6	0.77
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	8	0.77
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	8	0.77
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	15	0.77
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	15	0.77
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	15	0.77
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	6	0.77
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	2	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	2	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	2	0.77
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	4	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	4	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	4	0.77
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	7	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	7	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	7	0.77
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	9	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	9	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	9	0.77
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	10	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	10	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	10	0.77
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	13	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	13	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	13	0.77
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	14	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	14	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	14	0.77
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	16	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	16	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	16	0.77
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	17	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	17	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	17	0.77
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	19	0.77
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	19	0.77
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	19	0.77
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	11	0.77
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	11	0.77
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	11	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	1	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	2	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	9	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	10	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	11	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	12	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	13	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	14	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	15	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	16	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	18	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	19	0.77
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	20	0.77
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	12	0.77
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	18	0.77
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	2	0.77
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	11	0.77
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	17	0.77
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	19	0.77
(1,1787)	1:346:A:GLU:HA	1:346:A:GLU:HB2	20	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	1	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	1	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	1	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	5	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	5	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	5	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	9	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	9	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	9	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	10	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	10	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	10	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	11	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	11	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	11	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	17	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	17	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	17	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	19	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	19	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	19	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	20	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	20	0.77
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	20	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1752)	1:346:A:GLU:HB2	1:346:A:GLU:HG2	11	0.77
(1,1752)	1:346:A:GLU:HB2	1:346:A:GLU:HG2	12	0.77
(1,1752)	1:346:A:GLU:HB2	1:346:A:GLU:HG2	19	0.77
(1,1752)	1:346:A:GLU:HB2	1:346:A:GLU:HG2	20	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	1	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	1	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	1	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	3	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	3	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	3	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	5	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	5	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	5	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	11	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	11	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	11	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	14	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	14	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	14	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	15	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	15	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	15	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	19	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	19	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	19	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	20	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	20	0.77
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	20	0.77
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	10	0.77
(1,1710)	1:376:A:PRO:HD3	1:376:A:PRO:HA	11	0.77
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	5	0.77
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	5	0.77
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	5	0.77
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	7	0.77
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	7	0.77
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	7	0.77
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	8	0.77
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	8	0.77
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	8	0.77
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	18	0.77
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	16	0.77
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	8	0.77
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	14	0.77
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	15	0.77
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	20	0.77
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	1	0.77
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	3	0.77
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	6	0.77
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	17	0.77
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	12	0.77
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	13	0.77
(1,1348)	1:435:A:LYS:HA	1:435:A:LYS:HB3	14	0.77
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	1	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	1	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	2	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	4	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	5	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	6	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	8	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	11	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	12	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	16	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	17	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	19	0.77
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	20	0.77
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	2	0.77
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	6	0.77
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	8	0.77
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	9	0.77
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	12	0.77
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	13	0.77
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	16	0.77
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	17	0.77
(1,1222)	1:345:A:ILE:HB	1:345:A:ILE:HA	20	0.77
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	7	0.77
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	1	0.77
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	1	0.77
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	1	0.77
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	12	0.77
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	12	0.77
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	12	0.77
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	18	0.77
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	18	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	18	0.77
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	6	0.77
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	7	0.77
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	11	0.77
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	2	0.77
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	9	0.77
(1,1113)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	14	0.77
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	3	0.77
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	3	0.77
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	3	0.77
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	20	0.77
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	20	0.77
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	20	0.77
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	4	0.77
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	8	0.77
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	16	0.77
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	18	0.77
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	2	0.77
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	3	0.77
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	7	0.77
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	10	0.77
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	18	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	3	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	3	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	3	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	13	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	13	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	13	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	18	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	18	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	18	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	20	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	20	0.77
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	20	0.77
(1,902)	1:428:A:GLU:HB2	1:428:A:GLU:H	13	0.77
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	12	0.77
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	12	0.77
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	12	0.77
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	7	0.77
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	10	0.77
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	5	0.77
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	8	0.77
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	9	0.77
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	10	0.77
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	11	0.77
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	12	0.77
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	13	0.77
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	17	0.77
(1,636)	1:431:A:GLY:HA3	1:431:A:GLY:H	18	0.77
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	15	0.77
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	8	0.77
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	12	0.77
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	1	0.77
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	5	0.77
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	6	0.77
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	8	0.77
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	11	0.77
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	20	0.77
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	3	0.77
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	8	0.77
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	4	0.77
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	6	0.77
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	9	0.77
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	17	0.77
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	19	0.77
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	4	0.77
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	18	0.77
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	6	0.77
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	6	0.77
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	6	0.77
(1,117)	1:353:A:HIS:HB3	1:353:A:HIS:H	4	0.77
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	7	0.77
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	7	0.77
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	7	0.77
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	8	0.77
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	8	0.77
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	8	0.77
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	4	0.77
(1,4121)	1:419:A:GLY:H	1:418:A:VAL:HG21	11	0.76
(1,4121)	1:419:A:GLY:H	1:418:A:VAL:HG22	11	0.76
(1,4121)	1:419:A:GLY:H	1:418:A:VAL:HG23	11	0.76
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	11	0.76
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	20	0.76
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	5	0.76
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	15	0.76
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	20	0.76
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	1	0.76
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	4	0.76
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	9	0.76
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	10	0.76
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	11	0.76
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	12	0.76
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	18	0.76
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	19	0.76
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	2	0.76
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	19	0.76
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	6	0.76
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	9	0.76
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	19	0.76
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	17	0.76
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	17	0.76
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	17	0.76
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	17	0.76
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	17	0.76
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	17	0.76
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	19	0.76
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	19	0.76
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	19	0.76
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	20	0.76
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	20	0.76
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	20	0.76
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	9	0.76
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	2	0.76
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	6	0.76
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	11	0.76
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	13	0.76
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	20	0.76
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	9	0.76
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	9	0.76
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	14	0.76
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	14	0.76
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	8	0.76
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	8	0.76
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	1	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	1	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	1	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	2	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	2	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	2	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	3	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	3	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	3	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	4	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	4	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	4	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	5	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	5	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	5	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	6	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	6	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	6	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	7	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	7	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	7	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	8	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	8	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	8	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	9	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	9	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	9	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	10	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	10	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	10	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	11	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	11	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	11	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	12	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	12	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	12	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	13	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	13	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	13	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	14	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	14	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	15	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	15	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	15	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	16	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	16	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	16	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	17	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	17	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	17	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	18	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	18	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	18	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	19	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	19	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	19	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG21	20	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG22	20	0.76
(1,3179)	1:347:A:VAL:HB	1:347:A:VAL:HG23	20	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	1	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	2	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	5	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	6	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	7	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	9	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	13	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	14	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	16	0.76
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	19	0.76
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	1	0.76
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	6	0.76
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	8	0.76
(1,3153)	1:443:A:ILE:HB	1:443:A:ILE:HG13	16	0.76
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	16	0.76
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	8	0.76
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	10	0.76
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	10	0.76
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	10	0.76
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	14	0.76
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	14	0.76
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	14	0.76
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	20	0.76
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	20	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	20	0.76
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	3	0.76
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	1	0.76
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	6	0.76
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	7	0.76
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	16	0.76
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	10	0.76
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	5	0.76
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	12	0.76
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	7	0.76
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	8	0.76
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	10	0.76
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	15	0.76
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	16	0.76
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	19	0.76
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	20	0.76
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	9	0.76
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	10	0.76
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	13	0.76
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	17	0.76
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	17	0.76
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	18	0.76
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	1	0.76
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	11	0.76
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	1	0.76
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	1	0.76
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	1	0.76
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	2	0.76
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	2	0.76
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	2	0.76
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	7	0.76
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	5	0.76
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	8	0.76
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	16	0.76
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	17	0.76
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	3	0.76
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	7	0.76
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	8	0.76
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	1	0.76
(1,2109)	1:368:A:ILE:HB	1:368:A:ILE:HA	16	0.76
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	2	0.76
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	4	0.76
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	6	0.76
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	9	0.76
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	13	0.76
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	15	0.76
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	16	0.76
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	3	0.76
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	3	0.76
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	3	0.76
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	6	0.76
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	15	0.76
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	3	0.76
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	7	0.76
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	7	0.76
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	7	0.76
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	1	0.76
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	1	0.76
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	1	0.76
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	3	0.76
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	3	0.76
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	3	0.76
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	11	0.76
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	11	0.76
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	11	0.76
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	18	0.76
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	18	0.76
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	18	0.76
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	2	0.76
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	2	0.76
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	2	0.76
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	3	0.76
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	3	0.76
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	3	0.76
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	3	0.76
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	4	0.76
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	6	0.76
(1,1905)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	17	0.76
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	13	0.76
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	3	0.76
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	6	0.76
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	7	0.76
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	9	0.76
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	13	0.76
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	15	0.76
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	16	0.76
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	17	0.76
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	19	0.76
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	20	0.76
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	4	0.76
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	4	0.76
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	4	0.76
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	8	0.76
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	8	0.76
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	8	0.76
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	12	0.76
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	12	0.76
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	12	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	2	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	2	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	2	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	4	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	4	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	4	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	6	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	6	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	6	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	7	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	7	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	7	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	8	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	8	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	8	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	9	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	9	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	9	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	10	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	10	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	10	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	12	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	12	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	12	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	13	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	13	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	16	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	16	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	16	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	17	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	17	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	17	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG21	18	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG22	18	0.76
(1,1740)	1:345:A:ILE:HB	1:345:A:ILE:HG23	18	0.76
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	5	0.76
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	7	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	2	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	2	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	2	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	4	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	4	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	4	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	9	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	9	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	9	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	13	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	13	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	13	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	15	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	15	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	15	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	18	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	18	0.76
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	18	0.76
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	3	0.76
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	3	0.76
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	3	0.76
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	4	0.76
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	4	0.76
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	4	0.76
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	6	0.76
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	6	0.76
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	6	0.76
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	9	0.76
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	9	0.76
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	10	0.76
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	10	0.76
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	10	0.76
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	13	0.76
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	13	0.76
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	13	0.76
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	14	0.76
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	14	0.76
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	14	0.76
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	18	0.76
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	18	0.76
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	18	0.76
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	19	0.76
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	19	0.76
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	19	0.76
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	5	0.76
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	7	0.76
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	10	0.76
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	11	0.76
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	14	0.76
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	1	0.76
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	2	0.76
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	4	0.76
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	9	0.76
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	10	0.76
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	11	0.76
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	15	0.76
(1,1536)	1:445:A:THR:HB	1:445:A:THR:H	14	0.76
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	20	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	2	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	2	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	2	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	4	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	4	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	4	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	5	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	5	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	5	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	6	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	6	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	6	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	8	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	8	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	12	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	12	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	12	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	13	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	13	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	13	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	14	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	14	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	14	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	15	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	15	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	15	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	20	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	20	0.76
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	20	0.76
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	17	0.76
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	19	0.76
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	3	0.76
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	7	0.76
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	10	0.76
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	13	0.76
(1,1239)	1:362:A:VAL:HA	1:362:A:VAL:HB	14	0.76
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	1	0.76
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	2	0.76
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	8	0.76
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	9	0.76
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	16	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	3	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	3	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	3	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	5	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	5	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	5	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	9	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	9	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	9	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	13	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	13	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	13	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	14	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	14	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	16	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	16	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	16	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	17	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	17	0.76
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	17	0.76
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	18	0.76
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	13	0.76
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	13	0.76
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	13	0.76
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	2	0.76
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	3	0.76
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	5	0.76
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	7	0.76
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	9	0.76
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	10	0.76
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	11	0.76
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	12	0.76
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	14	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	1	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	4	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	5	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	6	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	8	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	9	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	11	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	12	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	13	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	14	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	15	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	16	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	17	0.76
(1,1006)	1:388:A:GLU:HB2	1:388:A:GLU:HB3	20	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	6	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	6	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	6	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	12	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	12	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	12	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	15	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	15	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	15	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	16	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	16	0.76
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	16	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	1	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	2	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	5	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	6	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	7	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	9	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	13	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	14	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	16	0.76
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	19	0.76
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	5	0.76
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	8	0.76
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	19	0.76
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	20	0.76
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	5	0.76
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	4	0.76
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	13	0.76
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	15	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	1	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	2	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	3	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	4	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	5	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	7	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	9	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	10	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	12	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	13	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	14	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	15	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	18	0.76
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	19	0.76
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	5	0.76
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	7	0.76
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	18	0.76
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	18	0.76
(1,198)	1:378:A:PRO:HG2	1:378:A:PRO:HB3	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	2	0.76
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	3	0.76
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	5	0.76
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	7	0.76
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	8	0.76
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	9	0.76
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	10	0.76
(1,140)	1:360:A:GLY:HA2	1:359:A:ASP:HA	5	0.76
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	11	0.75
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	11	0.75
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	11	0.75
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD11	1	0.75
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD12	1	0.75
(1,4183)	1:432:A:ASP:H	1:433:A:LEU:HD13	1	0.75
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	17	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	1	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	2	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	3	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	4	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	6	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	7	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	8	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	9	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	10	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	11	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	12	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	13	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	14	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	16	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	17	0.75
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	18	0.75
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	3	0.75
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	6	0.75
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	14	0.75
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	13	0.75
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	18	0.75
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	7	0.75
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	8	0.75
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	10	0.75
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	11	0.75
(1,3773)	1:435:A:LYS:H	1:434:A:TRP:H	5	0.75
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	7	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	8	0.75
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	20	0.75
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	5	0.75
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	5	0.75
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	5	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	1	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	1	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	1	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	2	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	2	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	2	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	6	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	6	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	6	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	9	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	9	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	9	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	10	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	10	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	10	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	16	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	16	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	16	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	18	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	18	0.75
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	18	0.75
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	13	0.75
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	3	0.75
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	4	0.75
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	9	0.75
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	10	0.75
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	15	0.75
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	16	0.75
(1,3450)	1:440:A:HIS:HD2	1:440:A:HIS:HA	11	0.75
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	11	0.75
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	2	0.75
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	2	0.75
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	18	0.75
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	18	0.75
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	18	0.75
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	3	0.75
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	8	0.75
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	10	0.75
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	11	0.75
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	12	0.75
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	15	0.75
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	17	0.75
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	18	0.75
(1,3171)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	20	0.75
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	18	0.75
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	5	0.75
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	12	0.75
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	16	0.75
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	17	0.75
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	17	0.75
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	17	0.75
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	19	0.75
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	19	0.75
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	19	0.75
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	2	0.75
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	2	0.75
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	2	0.75
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	4	0.75
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	4	0.75
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	4	0.75
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	8	0.75
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	8	0.75
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	8	0.75
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	11	0.75
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	11	0.75
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	11	0.75
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	9	0.75
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	18	0.75
(1,2900)	1:447:A:PRO:HB2	1:448:A:SER:H	14	0.75
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	15	0.75
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	16	0.75
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	20	0.75
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	11	0.75
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	1	0.75
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	3	0.75
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	4	0.75
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	5	0.75
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	6	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	11	0.75
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	12	0.75
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	13	0.75
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	14	0.75
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	17	0.75
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	18	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	2	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	3	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	5	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	6	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	8	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	11	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	14	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	15	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	16	0.75
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	18	0.75
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	1	0.75
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	2	0.75
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	3	0.75
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	6	0.75
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	8	0.75
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	10	0.75
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	12	0.75
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	6	0.75
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	8	0.75
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	8	0.75
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	8	0.75
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	9	0.75
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	9	0.75
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	9	0.75
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	18	0.75
(1,2225)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	19	0.75
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	20	0.75
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	20	0.75
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	20	0.75
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	1	0.75
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	4	0.75
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	11	0.75
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	13	0.75
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	18	0.75
(1,2092)	1:451:A:LYS:HA	1:451:A:LYS:HD3	19	0.75
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	2	0.75
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	2	0.75
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	4	0.75
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	4	0.75
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	4	0.75
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	13	0.75
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	13	0.75
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	13	0.75
(1,2055)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	11	0.75
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	10	0.75
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	5	0.75
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	14	0.75
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	14	0.75
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	14	0.75
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	19	0.75
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	19	0.75
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	19	0.75
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	12	0.75
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	12	0.75
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	12	0.75
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	5	0.75
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	5	0.75
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	5	0.75
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	13	0.75
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	13	0.75
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	13	0.75
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	20	0.75
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	20	0.75
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	20	0.75
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	3	0.75
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	4	0.75
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	10	0.75
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	11	0.75
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	17	0.75
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	18	0.75
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	7	0.75
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	7	0.75
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	7	0.75
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	1	0.75
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	2	0.75
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	4	0.75
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	11	0.75
(1,1848)	1:393:A:LEU:HA	1:393:A:LEU:HB3	14	0.75
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	11	0.75
(1,1814)	1:399:A:ASP:HB2	1:400:A:GLY:H	1	0.75
(1,1814)	1:399:A:ASP:HB2	1:400:A:GLY:H	19	0.75
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	2	0.75
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	8	0.75
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	6	0.75
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	6	0.75
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	6	0.75
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	1	0.75
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	3	0.75
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	6	0.75
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	9	0.75
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	12	0.75
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	14	0.75
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	15	0.75
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	19	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	1	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	1	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	1	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	3	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	3	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	3	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	6	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	6	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	6	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	8	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	8	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	8	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	10	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	10	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	10	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	12	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	12	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	12	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	14	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	14	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	14	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	17	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	17	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	17	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	20	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	20	0.75
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	20	0.75
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	1	0.75
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	1	0.75
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	1	0.75
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	2	0.75
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	2	0.75
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	2	0.75
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	5	0.75
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	5	0.75
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	5	0.75
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	11	0.75
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	11	0.75
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	11	0.75
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	12	0.75
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	12	0.75
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	12	0.75
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	15	0.75
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	15	0.75
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	15	0.75
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	17	0.75
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	17	0.75
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	17	0.75
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	20	0.75
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	20	0.75
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	20	0.75
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	2	0.75
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	6	0.75
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	12	0.75
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	15	0.75
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	17	0.75
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	20	0.75
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	18	0.75
(1,1638)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	19	0.75
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	7	0.75
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	10	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	1	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	1	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	1	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	3	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	3	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	3	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	7	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	7	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	7	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	9	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	9	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	9	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	10	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	10	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	10	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	16	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	16	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	16	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	17	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	17	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	17	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG11	18	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG12	18	0.75
(1,1494)	1:418:A:VAL:HB	1:418:A:VAL:HG13	18	0.75
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	3	0.75
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	10	0.75
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	11	0.75
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	17	0.75
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	4	0.75
(1,1284)	1:428:A:GLU:HA	1:429:A:TYR:H	18	0.75
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	4	0.75
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	5	0.75
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	10	0.75
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	13	0.75
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	15	0.75
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	17	0.75
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	20	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	4	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	4	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	4	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	7	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	7	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	7	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	8	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	8	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	8	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	11	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	11	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	11	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	15	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	15	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	15	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	20	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	20	0.75
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	20	0.75
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	5	0.75
(1,1105)	1:341:A:GLU:HB2	1:341:A:GLU:H	15	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	2	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	2	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	2	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	12	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	12	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	12	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	14	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	14	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	14	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	18	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	18	0.75
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	18	0.75
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	15	0.75
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	17	0.75
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	20	0.75
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	3	0.75
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	6	0.75
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	9	0.75
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	15	0.75
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	16	0.75
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	17	0.75
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	19	0.75
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	3	0.75
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	4	0.75
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	8	0.75
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	10	0.75
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	11	0.75
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	12	0.75
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	15	0.75
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	17	0.75
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	18	0.75
(1,906)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	1	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	2	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	3	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	4	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	6	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	7	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	8	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	9	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	10	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	11	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	12	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	13	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	14	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	15	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	16	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	17	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	18	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	19	0.75
(1,847)	1:368:A:ILE:HG12	1:368:A:ILE:HG13	20	0.75
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	4	0.75
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	5	0.75
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	3	0.75
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	4	0.75
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	6	0.75
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	10	0.75
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	11	0.75
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	12	0.75
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	13	0.75
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	17	0.75
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	2	0.75
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	6	0.75
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	6	0.75
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	6	0.75
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	5	0.75
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	5	0.75
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	5	0.75
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	13	0.75
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	13	0.75
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	13	0.75
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	13	0.75
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	14	0.75
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	3	0.75
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	4	0.75
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	5	0.75
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	7	0.75
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	10	0.75
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	12	0.75
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	13	0.75
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	14	0.75
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	16	0.75
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	19	0.75
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	1	0.75
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	2	0.75
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	3	0.75
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	16	0.75
(1,417)	1:435:A:LYS:HD3	1:435:A:LYS:HG3	17	0.75
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	18	0.75
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	18	0.75
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	18	0.75
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	1	0.75
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	3	0.75
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	6	0.75
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	9	0.75
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	12	0.75
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	14	0.75
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	15	0.75
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	19	0.75
(1,317)	1:352:A:GLN:HA	1:352:A:GLN:HG2	16	0.75
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	19	0.75
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	4	0.74
(1,4009)	1:420:A:ILE:H	1:420:A:ILE:HA	19	0.74
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	7	0.74
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	8	0.74
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	16	0.74
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	17	0.74
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	20	0.74
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	7	0.74
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	5	0.74
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	17	0.74
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	2	0.74
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	15	0.74
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	18	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	3	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	3	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	4	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	4	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	4	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	11	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	11	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	11	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	16	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	16	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	16	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	19	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	19	0.74
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	19	0.74
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	14	0.74
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	18	0.74
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	20	0.74
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	18	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	3	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	3	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	3	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	5	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	5	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	5	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	8	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	8	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	8	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	11	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	11	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	11	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	13	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	13	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	13	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	14	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	14	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	14	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	15	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	15	0.74
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	15	0.74
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	1	0.74
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	7	0.74
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	12	0.74
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	14	0.74
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	17	0.74
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	3	0.74
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	4	0.74
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	6	0.74
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	7	0.74
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	10	0.74
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	12	0.74
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	13	0.74
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	4	0.74
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	10	0.74
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	1	0.74
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	7	0.74
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	12	0.74
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	16	0.74
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	19	0.74
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	17	0.74
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	6	0.74
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	17	0.74
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	2	0.74
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	2	0.74
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	2	0.74
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	11	0.74
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	11	0.74
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	11	0.74
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	4	0.74
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	1	0.74
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	8	0.74
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	13	0.74
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	18	0.74
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	3	0.74
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	11	0.74
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	12	0.74
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	19	0.74
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD11	9	0.74
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD12	9	0.74
(1,2805)	1:437:A:ARG:HD2	1:433:A:LEU:HD13	9	0.74
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	3	0.74
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	7	0.74
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	10	0.74
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	14	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	15	0.74
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	4	0.74
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	16	0.74
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	18	0.74
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	2	0.74
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	1	0.74
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	4	0.74
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	12	0.74
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	19	0.74
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	20	0.74
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	13	0.74
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	13	0.74
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	13	0.74
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	13	0.74
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	13	0.74
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	13	0.74
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	9	0.74
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	4	0.74
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	3	0.74
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	13	0.74
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	13	0.74
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	13	0.74
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	10	0.74
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	20	0.74
(1,2245)	1:376:A:PRO:HA	1:377:A:THR:H	2	0.74
(1,2202)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	5	0.74
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	12	0.74
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	17	0.74
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	19	0.74
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	3	0.74
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	3	0.74
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	3	0.74
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	17	0.74
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	17	0.74
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	17	0.74
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	5	0.74
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	5	0.74
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	5	0.74
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	14	0.74
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	14	0.74
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	14	0.74
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	17	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	17	0.74
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	17	0.74
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	1	0.74
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	1	0.74
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	7	0.74
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	12	0.74
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	16	0.74
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	19	0.74
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	6	0.74
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	6	0.74
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	6	0.74
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	8	0.74
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	8	0.74
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	8	0.74
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	9	0.74
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	9	0.74
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	9	0.74
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	17	0.74
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	17	0.74
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	17	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	1	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	2	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	3	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	4	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	5	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	6	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	7	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	8	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	9	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	12	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	13	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	14	0.74
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	20	0.74
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	16	0.74
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	1	0.74
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	8	0.74
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	10	0.74
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	16	0.74
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG21	16	0.74
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG22	16	0.74
(1,1783)	1:445:A:THR:HA	1:445:A:THR:HG23	16	0.74
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	14	0.74
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	20	0.74
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	18	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	2	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	4	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	7	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	8	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	10	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	11	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	13	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	16	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	17	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	18	0.74
(1,1698)	1:399:A:ASP:HB2	1:399:A:ASP:HB3	20	0.74
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	11	0.74
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	11	0.74
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	11	0.74
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	16	0.74
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	16	0.74
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	16	0.74
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	19	0.74
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	19	0.74
(1,1650)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	19	0.74
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	7	0.74
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	7	0.74
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	7	0.74
(1,1648)	1:364:A:LEU:HD11	1:364:A:LEU:HA	16	0.74
(1,1648)	1:364:A:LEU:HD12	1:364:A:LEU:HA	16	0.74
(1,1648)	1:364:A:LEU:HD13	1:364:A:LEU:HA	16	0.74
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	3	0.74
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	4	0.74
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	16	0.74
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	19	0.74
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	19	0.74
(1,1608)	1:421:A:HIS:HA	1:410:A:TRP:HA	19	0.74
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	9	0.74
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	5	0.74
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	8	0.74
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	6	0.74
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	7	0.74
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	9	0.74
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	14	0.74
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	7	0.74
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	3	0.74
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	6	0.74
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	11	0.74
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	12	0.74
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	14	0.74
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	19	0.74
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	19	0.74
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	19	0.74
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	20	0.74
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	1	0.74
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	1	0.74
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	1	0.74
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	13	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	1	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	2	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	4	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	5	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	7	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	8	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	10	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	11	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	12	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	13	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	14	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	18	0.74
(1,1030)	1:453:A:LEU:HG	1:453:A:LEU:HB3	20	0.74
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	3	0.74
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	18	0.74
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	19	0.74
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	2	0.74
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	7	0.74
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	9	0.74
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	14	0.74
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	16	0.74
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	2	0.74
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	9	0.74
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	7	0.74
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	15	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	1	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	2	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	3	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	4	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	5	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	6	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	7	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	8	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	9	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	10	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	11	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	12	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	15	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	16	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	17	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	18	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	19	0.74
(1,550)	1:372:A:LYS:HD3	1:372:A:LYS:HD2	20	0.74
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	2	0.74
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	6	0.74
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	9	0.74
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	11	0.74
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	15	0.74
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	17	0.74
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	18	0.74
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	20	0.74
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	4	0.74
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	8	0.74
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	9	0.74
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	10	0.74
(1,435)	1:464:A:LEU:HG	1:464:A:LEU:HA	14	0.74
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	6	0.74
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	8	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	2	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	4	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	7	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	8	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	10	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	11	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	13	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	16	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	17	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	18	0.74
(1,349)	1:399:A:ASP:HB3	1:399:A:ASP:HB2	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	4	0.74
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	7	0.74
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	8	0.74
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	9	0.74
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	11	0.74
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	13	0.74
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	14	0.74
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	15	0.74
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	19	0.74
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	20	0.74
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	19	0.74
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	6	0.74
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	14	0.74
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	15	0.74
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	5	0.74
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	5	0.74
(1,92)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	5	0.74
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	2	0.73
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	7	0.73
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	9	0.73
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	10	0.73
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	14	0.73
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	16	0.73
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	10	0.73
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	13	0.73
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	16	0.73
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	2	0.73
(1,3994)	1:435:A:LYS:H	1:435:A:LYS:HG2	15	0.73
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	5	0.73
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	8	0.73
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	20	0.73
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	18	0.73
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	3	0.73
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	3	0.73
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	7	0.73
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	8	0.73
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	11	0.73
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	19	0.73
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	10	0.73
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	10	0.73
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	10	0.73
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	15	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	15	0.73
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	15	0.73
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	5	0.73
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	19	0.73
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	4	0.73
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	4	0.73
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	4	0.73
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	7	0.73
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	7	0.73
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	7	0.73
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD21	12	0.73
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD22	12	0.73
(1,3582)	1:364:A:LEU:H	1:364:A:LEU:HD23	12	0.73
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	19	0.73
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	14	0.73
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	17	0.73
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	19	0.73
(1,3263)	1:410:A:TRP:HZ3	1:421:A:HIS:HD2	5	0.73
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	6	0.73
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	6	0.73
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	6	0.73
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	7	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	2	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	4	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	8	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	9	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	10	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	11	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	13	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	14	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	15	0.73
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	20	0.73
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	1	0.73
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	9	0.73
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	10	0.73
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	4	0.73
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	4	0.73
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	4	0.73
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	12	0.73
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	12	0.73
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	12	0.73
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	3	0.73
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	3	0.73
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	12	0.73
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	12	0.73
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	12	0.73
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	12	0.73
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	16	0.73
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	18	0.73
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	19	0.73
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	11	0.73
(1,2873)	1:340:A:MET:HB2	1:341:A:GLU:HA	15	0.73
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	2	0.73
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	6	0.73
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	9	0.73
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	10	0.73
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	2	0.73
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	1	0.73
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	4	0.73
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	11	0.73
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	12	0.73
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	16	0.73
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	17	0.73
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	18	0.73
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	19	0.73
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	5	0.73
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	11	0.73
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	15	0.73
(1,2499)	1:402:A:PRO:HD2	1:401:A:THR:HA	7	0.73
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	2	0.73
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	2	0.73
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	2	0.73
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	2	0.73
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	2	0.73
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	2	0.73
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	4	0.73
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	4	0.73
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	4	0.73
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	4	0.73
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	4	0.73
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	4	0.73
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	9	0.73
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	9	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	9	0.73
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	9	0.73
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	9	0.73
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	9	0.73
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	12	0.73
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	12	0.73
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	12	0.73
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	12	0.73
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	12	0.73
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	12	0.73
(1,2451)	1:392:A:THR:HA	1:407:A:VAL:H	18	0.73
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	4	0.73
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	16	0.73
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	5	0.73
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	17	0.73
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	12	0.73
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	12	0.73
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	12	0.73
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	5	0.73
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	13	0.73
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	6	0.73
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	2	0.73
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	2	0.73
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	2	0.73
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	4	0.73
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	4	0.73
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	4	0.73
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	10	0.73
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	10	0.73
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	10	0.73
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	11	0.73
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	11	0.73
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	11	0.73
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	4	0.73
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	9	0.73
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	17	0.73
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	13	0.73
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	15	0.73
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	16	0.73
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	20	0.73
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	1	0.73
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	2	0.73
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	4	0.73
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	8	0.73
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	9	0.73
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	10	0.73
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	11	0.73
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	13	0.73
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	14	0.73
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	15	0.73
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	20	0.73
(1,1930)	1:411:A:MET:HE1	1:411:A:MET:HB2	5	0.73
(1,1930)	1:411:A:MET:HE2	1:411:A:MET:HB2	5	0.73
(1,1930)	1:411:A:MET:HE3	1:411:A:MET:HB2	5	0.73
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	1	0.73
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	1	0.73
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	1	0.73
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	7	0.73
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	7	0.73
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	7	0.73
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	16	0.73
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	16	0.73
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	16	0.73
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	19	0.73
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	19	0.73
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	19	0.73
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	9	0.73
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	11	0.73
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	12	0.73
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	10	0.73
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	15	0.73
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	16	0.73
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	2	0.73
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	3	0.73
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	5	0.73
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	6	0.73
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	7	0.73
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	9	0.73
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	13	0.73
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	15	0.73
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	17	0.73
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	18	0.73
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	9	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	9	0.73
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	9	0.73
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	13	0.73
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	13	0.73
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	13	0.73
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	11	0.73
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	1	0.73
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	8	0.73
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	9	0.73
(1,1640)	1:408:A:ASN:HB2	1:408:A:ASN:H	13	0.73
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	10	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	1	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	2	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	4	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	5	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	6	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	7	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	8	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	10	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	11	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	13	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	14	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	15	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	18	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	19	0.73
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	20	0.73
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	3	0.73
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	6	0.73
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	12	0.73
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	13	0.73
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	18	0.73
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	1	0.73
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	2	0.73
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	5	0.73
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	8	0.73
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	13	0.73
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	15	0.73
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	20	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	5	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	5	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	5	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	7	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	7	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	7	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	11	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	11	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	11	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	15	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	15	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	15	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	16	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	16	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	16	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	20	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	20	0.73
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	20	0.73
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	4	0.73
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	8	0.73
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	11	0.73
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	14	0.73
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	15	0.73
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	19	0.73
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	20	0.73
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	6	0.73
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	18	0.73
(1,1195)	1:421:A:HIS:HA	1:422:A:ASP:H	19	0.73
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	14	0.73
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	4	0.73
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	4	0.73
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	4	0.73
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	17	0.73
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	17	0.73
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	17	0.73
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	16	0.73
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	19	0.73
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	6	0.73
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	10	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	1	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	3	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	4	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	5	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	6	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	7	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	10	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	11	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	12	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	13	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	14	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	15	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	16	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	17	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	18	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	19	0.73
(1,706)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	20	0.73
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	9	0.73
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	9	0.73
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	9	0.73
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	13	0.73
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	13	0.73
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	13	0.73
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	15	0.73
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	15	0.73
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	15	0.73
(1,515)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	8	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	1	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	2	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	3	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	4	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	5	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	6	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	7	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	8	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	9	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	10	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	11	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	12	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	13	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	14	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	15	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	16	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	17	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	18	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	19	0.73
(1,504)	1:394:A:LYS:HB3	1:394:A:LYS:HB2	20	0.73
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	20	0.73
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	19	0.73
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	1	0.73
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	6	0.73
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	11	0.73
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	19	0.73
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	1	0.73
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	13	0.73
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	19	0.73
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	20	0.73
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	5	0.73
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	5	0.73
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	5	0.73
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	1	0.73
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	1	0.73
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	2	0.73
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	3	0.73
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	5	0.73
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	6	0.73
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	12	0.73
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	16	0.73
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	17	0.73
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	18	0.73
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	20	0.73
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	20	0.73
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	20	0.73
(1,161)	1:346:A:GLU:HA	1:347:A:VAL:H	13	0.73
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	16	0.73
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	20	0.72
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	20	0.72
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	20	0.72
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	1	0.72
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	13	0.72
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	17	0.72
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	18	0.72
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	20	0.72
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	1	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	2	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	2	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	2	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	4	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	4	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	5	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	5	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	5	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	18	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	18	0.72
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	18	0.72
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	1	0.72
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	5	0.72
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	14	0.72
(1,4022)	1:350:A:GLU:H	1:349:A:LEU:H	19	0.72
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	1	0.72
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	10	0.72
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	4	0.72
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	18	0.72
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	1	0.72
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	6	0.72
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	9	0.72
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	16	0.72
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	17	0.72
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	6	0.72
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	6	0.72
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	6	0.72
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	7	0.72
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	7	0.72
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	7	0.72
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	19	0.72
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	4	0.72
(1,3475)	1:460:A:GLY:H	1:459:A:LYS:HA	18	0.72
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	2	0.72
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	5	0.72
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	8	0.72
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	9	0.72
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	20	0.72
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	10	0.72
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	10	0.72
(1,3349)	1:466:A:PHE:HE1	1:346:A:GLU:HG2	19	0.72
(1,3349)	1:466:A:PHE:HE2	1:346:A:GLU:HG2	19	0.72
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	14	0.72
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	14	0.72
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	14	0.72
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	8	0.72
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	11	0.72
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	16	0.72
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	3	0.72
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	6	0.72
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	17	0.72
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	8	0.72
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	19	0.72
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	9	0.72
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	9	0.72
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	9	0.72
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	7	0.72
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	14	0.72
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	18	0.72
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	12	0.72
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	8	0.72
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	18	0.72
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	20	0.72
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	10	0.72
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	17	0.72
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	14	0.72
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	16	0.72
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	2	0.72
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	6	0.72
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	8	0.72
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	9	0.72
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	10	0.72
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	3	0.72
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	3	0.72
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	3	0.72
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	3	0.72
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	3	0.72
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	3	0.72
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	10	0.72
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	10	0.72
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	10	0.72
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	10	0.72
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	10	0.72
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	10	0.72
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	11	0.72
(1,2430)	1:378:A:PRO:HG3	1:378:A:PRO:HA	19	0.72
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	12	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	17	0.72
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	1	0.72
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	2	0.72
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	9	0.72
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	11	0.72
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	18	0.72
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	20	0.72
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	20	0.72
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	20	0.72
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	9	0.72
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	6	0.72
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	6	0.72
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	6	0.72
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	1	0.72
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	15	0.72
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	13	0.72
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	13	0.72
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	13	0.72
(1,2165)	1:376:A:PRO:HG3	1:376:A:PRO:HA	10	0.72
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	5	0.72
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	14	0.72
(1,2060)	1:393:A:LEU:HD21	1:410:A:TRP:HD1	8	0.72
(1,2060)	1:393:A:LEU:HD22	1:410:A:TRP:HD1	8	0.72
(1,2060)	1:393:A:LEU:HD23	1:410:A:TRP:HD1	8	0.72
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	2	0.72
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	5	0.72
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	15	0.72
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	1	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	1	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	2	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	4	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	5	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	7	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	9	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	11	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	12	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	14	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	18	0.72
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	19	0.72
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	2	0.72
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	9	0.72
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	17	0.72
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	20	0.72
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	3	0.72
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	6	0.72
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	17	0.72
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD11	13	0.72
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD12	13	0.72
(1,1943)	1:368:A:ILE:HB	1:368:A:ILE:HD13	13	0.72
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	4	0.72
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	1	0.72
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	1	0.72
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	1	0.72
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	18	0.72
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	18	0.72
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	18	0.72
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	1	0.72
(1,1874)	1:405:A:SER:HB3	1:405:A:SER:HA	19	0.72
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	12	0.72
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	14	0.72
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	19	0.72
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	20	0.72
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	12	0.72
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	13	0.72
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	16	0.72
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	1	0.72
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	1	0.72
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	1	0.72
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	2	0.72
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	2	0.72
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	2	0.72
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	4	0.72
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	4	0.72
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	4	0.72
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	7	0.72
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	7	0.72
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	7	0.72
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	16	0.72
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	16	0.72
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	16	0.72
(1,1644)	1:341:A:GLU:HB3	1:342:A:ASP:H	12	0.72
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	15	0.72
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	4	0.72
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	6	0.72
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	7	0.72
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	8	0.72
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	13	0.72
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	20	0.72
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	3	0.72
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	12	0.72
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	16	0.72
(1,1570)	1:446:A:PRO:HA	1:446:A:PRO:HB2	17	0.72
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	1	0.72
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	4	0.72
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	19	0.72
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	4	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	1	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	1	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	1	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	2	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	2	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	2	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	3	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	3	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	3	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	4	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	4	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	4	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	6	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	6	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	6	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	8	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	8	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	8	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	9	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	9	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	9	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	10	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	10	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	10	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	12	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	12	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	12	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	13	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	13	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	14	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	14	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	14	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	17	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	17	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	17	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	18	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	18	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	18	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG21	19	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG22	19	0.72
(1,1408)	1:465:A:VAL:HB	1:465:A:VAL:HG23	19	0.72
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	1	0.72
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	2	0.72
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	3	0.72
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	5	0.72
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	6	0.72
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	7	0.72
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	9	0.72
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	13	0.72
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	16	0.72
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	17	0.72
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	2	0.72
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	9	0.72
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	19	0.72
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	12	0.72
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	12	0.72
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	12	0.72
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	15	0.72
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	15	0.72
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	15	0.72
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	4	0.72
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	11	0.72
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	12	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	6	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	6	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	6	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	11	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	11	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	11	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	12	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	12	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	12	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	19	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	19	0.72
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	19	0.72
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	10	0.72
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	10	0.72
(1,1186)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	10	0.72
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	12	0.72
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	9	0.72
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	9	0.72
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	9	0.72
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	19	0.72
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	19	0.72
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	12	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	1	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	3	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	4	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	5	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	6	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	7	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	8	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	9	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	10	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	14	0.72
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	17	0.72
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	11	0.72
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	19	0.72
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	18	0.72
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	14	0.72
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	6	0.72
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	11	0.72
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	12	0.72
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	18	0.72
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	20	0.72
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	1	0.72
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	6	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	1	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	1	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	1	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	2	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	2	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	4	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	4	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	4	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	7	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	7	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	7	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	16	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	16	0.72
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	16	0.72
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	19	0.72
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	8	0.72
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	8	0.72
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	8	0.72
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	1	0.72
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	7	0.72
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	14	0.72
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	15	0.72
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	17	0.72
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	9	0.72
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	15	0.72
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	15	0.72
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	15	0.72
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	4	0.72
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	5	0.72
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	7	0.72
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	9	0.72
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	10	0.72
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	14	0.72
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	15	0.72
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	16	0.72
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	20	0.72
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	3	0.72
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	11	0.72
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	9	0.72
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	9	0.72
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	9	0.72
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	10	0.72
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	10	0.72
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	10	0.72
(1,317)	1:352:A:GLN:HA	1:352:A:GLN:HG2	1	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	5	0.72
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	10	0.72
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	8	0.72
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	8	0.72
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	8	0.72
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	11	0.72
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	17	0.72
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	3	0.71
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	6	0.71
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	8	0.71
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	12	0.71
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	15	0.71
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	19	0.71
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	10	0.71
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	11	0.71
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	12	0.71
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	20	0.71
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	5	0.71
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	1	0.71
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	1	0.71
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	1	0.71
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	6	0.71
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	6	0.71
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	6	0.71
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	2	0.71
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	3	0.71
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	4	0.71
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	7	0.71
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	8	0.71
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	18	0.71
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	7	0.71
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	13	0.71
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	9	0.71
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	14	0.71
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	16	0.71
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	19	0.71
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	19	0.71
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	12	0.71
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	18	0.71
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	18	0.71
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	18	0.71
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD21	13	0.71
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD22	13	0.71
(1,3648)	1:432:A:ASP:H	1:433:A:LEU:HD23	13	0.71
(1,3541)	1:391:A:ALA:H	1:407:A:VAL:HA	10	0.71
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	7	0.71
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	13	0.71
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	13	0.71
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	5	0.71
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	15	0.71
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	15	0.71
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	15	0.71
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	18	0.71
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	18	0.71
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	18	0.71
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	6	0.71
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	7	0.71
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	9	0.71
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	12	0.71
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	14	0.71
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	17	0.71
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	14	0.71
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	11	0.71
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	20	0.71
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	20	0.71
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	20	0.71
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	3	0.71
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	13	0.71
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	17	0.71
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	18	0.71
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	1	0.71
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	4	0.71
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	5	0.71
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	7	0.71
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	13	0.71
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	14	0.71
(1,2853)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	17	0.71
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	2	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	1	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	3	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	4	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	5	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	8	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	10	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	11	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	12	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	15	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	17	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	19	0.71
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	20	0.71
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	12	0.71
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	15	0.71
(1,2662)	1:357:A:TYR:HB3	1:357:A:TYR:HA	13	0.71
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	12	0.71
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	16	0.71
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	20	0.71
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	3	0.71
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	8	0.71
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD1	19	0.71
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD2	19	0.71
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD1	19	0.71
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD2	19	0.71
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD1	19	0.71
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD2	19	0.71
(1,2585)	1:447:A:PRO:HA	1:447:A:PRO:HB3	9	0.71
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	13	0.71
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	18	0.71
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	1	0.71
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	1	0.71
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	1	0.71
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	1	0.71
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	1	0.71
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	1	0.71
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	6	0.71
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	6	0.71
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	6	0.71
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	6	0.71
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	6	0.71
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	6	0.71
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	15	0.71
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	15	0.71
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	15	0.71
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	15	0.71
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	15	0.71
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	19	0.71
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	19	0.71
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	19	0.71
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	19	0.71
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	19	0.71
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	19	0.71
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	3	0.71
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	8	0.71
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	12	0.71
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	17	0.71
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	19	0.71
(1,2322)	1:437:A:ARG:HG3	1:437:A:ARG:H	5	0.71
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	12	0.71
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	8	0.71
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	18	0.71
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	11	0.71
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	11	0.71
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	11	0.71
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	2	0.71
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	4	0.71
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	8	0.71
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	9	0.71
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	11	0.71
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	15	0.71
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	19	0.71
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	7	0.71
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	15	0.71
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	15	0.71
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	15	0.71
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	15	0.71
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	6	0.71
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	11	0.71
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	3	0.71
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	6	0.71
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	8	0.71
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	10	0.71
(1,2012)	1:378:A:PRO:HA	1:379:A:ALA:HA	17	0.71
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	3	0.71
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	5	0.71
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	6	0.71
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	11	0.71
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	13	0.71
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	16	0.71
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	4	0.71
(1,1970)	1:378:A:PRO:HB2	1:379:A:ALA:H	19	0.71
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	12	0.71
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	12	0.71
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	12	0.71
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	4	0.71
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	4	0.71
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	4	0.71
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	7	0.71
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	7	0.71
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	7	0.71
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	15	0.71
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	15	0.71
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	15	0.71
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	5	0.71
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	8	0.71
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	14	0.71
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	18	0.71
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	18	0.71
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	18	0.71
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	18	0.71
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	18	0.71
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	18	0.71
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	18	0.71
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	18	0.71
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	18	0.71
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	7	0.71
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	8	0.71
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	11	0.71
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	3	0.71
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	6	0.71
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	7	0.71
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	9	0.71
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	17	0.71
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	8	0.71
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	8	0.71
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	8	0.71
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	12	0.71
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	12	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	12	0.71
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	14	0.71
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	14	0.71
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	14	0.71
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	17	0.71
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	17	0.71
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	17	0.71
(1,1644)	1:341:A:GLU:HB3	1:342:A:ASP:H	7	0.71
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	3	0.71
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	6	0.71
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	7	0.71
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	10	0.71
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	13	0.71
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	16	0.71
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	19	0.71
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	3	0.71
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	9	0.71
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	11	0.71
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	12	0.71
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	14	0.71
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	15	0.71
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	16	0.71
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	17	0.71
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	3	0.71
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	15	0.71
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	16	0.71
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	10	0.71
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	12	0.71
(1,1391)	1:393:A:LEU:HA	1:393:A:LEU:H	18	0.71
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	1	0.71
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	3	0.71
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	4	0.71
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	5	0.71
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	7	0.71
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	10	0.71
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	13	0.71
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	14	0.71
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	7	0.71
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	10	0.71
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	11	0.71
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	12	0.71
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	15	0.71
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	16	0.71
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	17	0.71
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	19	0.71
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	20	0.71
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	20	0.71
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	1	0.71
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	3	0.71
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	6	0.71
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	7	0.71
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	8	0.71
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	14	0.71
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	16	0.71
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	19	0.71
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	1	0.71
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	1	0.71
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	1	0.71
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	2	0.71
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	2	0.71
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	2	0.71
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	8	0.71
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	8	0.71
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	8	0.71
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	17	0.71
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	17	0.71
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	17	0.71
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	8	0.71
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	19	0.71
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	5	0.71
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	5	0.71
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	5	0.71
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	6	0.71
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	6	0.71
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	6	0.71
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	7	0.71
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	7	0.71
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	7	0.71
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	1	0.71
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	7	0.71
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	8	0.71
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	10	0.71
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	16	0.71
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	20	0.71
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	1	0.71
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	13	0.71
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	2	0.71
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	11	0.71
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	12	0.71
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	13	0.71
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	15	0.71
(1,832)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	20	0.71
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	6	0.71
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	7	0.71
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	7	0.71
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	3	0.71
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	8	0.71
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	11	0.71
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	15	0.71
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	20	0.71
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	1	0.71
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	2	0.71
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	3	0.71
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	13	0.71
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	15	0.71
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	17	0.71
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	19	0.71
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	4	0.71
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	9	0.71
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	13	0.71
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	14	0.71
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	18	0.71
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	20	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	8	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	8	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	8	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	12	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	12	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	12	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	14	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	14	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	14	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	17	0.71
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	17	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	17	0.71
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	2	0.71
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	5	0.71
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	8	0.71
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	10	0.71
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	13	0.71
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	16	0.71
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	13	0.71
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	13	0.71
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	13	0.71
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	13	0.71
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	13	0.71
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	13	0.71
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	2	0.71
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	3	0.71
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	8	0.71
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	12	0.71
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	13	0.71
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	17	0.71
(1,396)	1:436:A:THR:HA	1:437:A:ARG:H	18	0.71
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	10	0.71
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	12	0.71
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	14	0.71
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	3	0.71
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	3	0.71
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	3	0.71
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	7	0.71
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	7	0.71
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	7	0.71
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	9	0.71
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	7	0.71
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	18	0.71
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	18	0.71
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	18	0.71
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	1	0.71
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	12	0.7
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	12	0.7
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	12	0.7
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	14	0.7
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	9	0.7
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	19	0.7
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	19	0.7
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	5	0.7
(1,4149)	1:351:A:ASN:H	1:351:A:ASN:HD21	11	0.7
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	3	0.7
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	9	0.7
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	14	0.7
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	17	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	3	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	3	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	3	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	9	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	9	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	9	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	10	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	10	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	10	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	11	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	11	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	11	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	12	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	12	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	12	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	14	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	14	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	14	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	15	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	15	0.7
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	15	0.7
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	9	0.7
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	15	0.7
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	16	0.7
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	17	0.7
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	7	0.7
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	2	0.7
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	20	0.7
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	7	0.7
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	5	0.7
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	10	0.7
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	14	0.7
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	2	0.7
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	2	0.7
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	9	0.7
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	9	0.7
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	9	0.7
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	14	0.7
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	14	0.7
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	14	0.7
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	8	0.7
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	3	0.7
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	3	0.7
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	3	0.7
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	17	0.7
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	17	0.7
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	17	0.7
(1,3398)	1:339:A:HIS:HD2	1:339:A:HIS:HA	16	0.7
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	3	0.7
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	3	0.7
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	4	0.7
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	4	0.7
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	15	0.7
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	15	0.7
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	7	0.7
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	7	0.7
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	7	0.7
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	1	0.7
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	2	0.7
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	4	0.7
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	10	0.7
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	13	0.7
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	15	0.7
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	19	0.7
(1,3095)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	18	0.7
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	2	0.7
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	13	0.7
(1,3037)	1:369:A:VAL:HG21	1:434:A:TRP:H	6	0.7
(1,3037)	1:369:A:VAL:HG22	1:434:A:TRP:H	6	0.7
(1,3037)	1:369:A:VAL:HG23	1:434:A:TRP:H	6	0.7
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	14	0.7
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	14	0.7
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	14	0.7
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	5	0.7
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	14	0.7
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	20	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2961)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	15	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	1	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	2	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	3	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	4	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	5	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	7	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	10	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	12	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	13	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	14	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	15	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	16	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	18	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	19	0.7
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	20	0.7
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	13	0.7
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	5	0.7
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	4	0.7
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	2	0.7
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	6	0.7
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	9	0.7
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	13	0.7
(1,2681)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	18	0.7
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	1	0.7
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	11	0.7
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	13	0.7
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	14	0.7
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	16	0.7
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	18	0.7
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	6	0.7
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	2	0.7
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	19	0.7
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	2	0.7
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	20	0.7
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	18	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	1	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	2	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	6	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	7	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	9	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	13	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	14	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	17	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	18	0.7
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	20	0.7
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	4	0.7
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	4	0.7
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	4	0.7
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	13	0.7
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	13	0.7
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	13	0.7
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	1	0.7
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	2	0.7
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	14	0.7
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	16	0.7
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	18	0.7
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	18	0.7
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	18	0.7
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	18	0.7
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	18	0.7
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	18	0.7
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	20	0.7
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	20	0.7
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	20	0.7
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	20	0.7
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	20	0.7
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	20	0.7
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	8	0.7
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	19	0.7
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	6	0.7
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	7	0.7
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	20	0.7
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	2	0.7
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	3	0.7
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	4	0.7
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	19	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	3	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	3	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	3	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	4	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	4	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	5	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	5	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	5	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	6	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	6	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	6	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	7	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	7	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	7	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	8	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	8	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	8	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	9	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	9	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	9	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	10	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	10	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	10	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	12	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	12	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	12	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	14	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	14	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	14	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	17	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	17	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	17	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	18	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	18	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	18	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	19	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	19	0.7
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	19	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	1	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	3	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	5	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	6	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	7	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	10	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	12	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	14	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	16	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	17	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	18	0.7
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	20	0.7
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	10	0.7
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	8	0.7
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	8	0.7
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	8	0.7
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	9	0.7
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	9	0.7
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	9	0.7
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	12	0.7
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	12	0.7
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	12	0.7
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	20	0.7
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	20	0.7
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	20	0.7
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	8	0.7
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	17	0.7
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	8	0.7
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	19	0.7
(1,1994)	1:346:A:GLU:HG2	1:347:A:VAL:H	18	0.7
(1,1966)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	18	0.7
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	12	0.7
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	11	0.7
(1,1917)	1:393:A:LEU:HD11	1:393:A:LEU:HA	18	0.7
(1,1917)	1:393:A:LEU:HD12	1:393:A:LEU:HA	18	0.7
(1,1917)	1:393:A:LEU:HD13	1:393:A:LEU:HA	18	0.7
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	5	0.7
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	5	0.7
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	5	0.7
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	6	0.7
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	6	0.7
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	6	0.7
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	14	0.7
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	14	0.7
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	14	0.7
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	18	0.7
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	16	0.7
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	16	0.7
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	16	0.7
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	16	0.7
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	16	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	16	0.7
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	16	0.7
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	16	0.7
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	16	0.7
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	12	0.7
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	12	0.7
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	12	0.7
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	20	0.7
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	20	0.7
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	20	0.7
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	18	0.7
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	10	0.7
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	11	0.7
(1,1752)	1:346:A:GLU:HB2	1:346:A:GLU:HG2	6	0.7
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	10	0.7
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	10	0.7
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	10	0.7
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	11	0.7
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	11	0.7
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	11	0.7
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	18	0.7
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	18	0.7
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	18	0.7
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	12	0.7
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	15	0.7
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	1	0.7
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	9	0.7
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	12	0.7
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	14	0.7
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	17	0.7
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	20	0.7
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	18	0.7
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	18	0.7
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	4	0.7
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	8	0.7
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	15	0.7
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	18	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	2	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	2	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	2	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	3	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	3	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	4	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	4	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	4	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	5	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	5	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	5	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	11	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	11	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	11	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	12	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	12	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	12	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	14	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	14	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	14	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	16	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	16	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	16	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	17	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	17	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	17	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	19	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	19	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	19	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	20	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	20	0.7
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	20	0.7
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	1	0.7
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	2	0.7
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	3	0.7
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	4	0.7
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	5	0.7
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	6	0.7
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	8	0.7
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	9	0.7
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	14	0.7
(1,1274)	1:456:A:MET:HG3	1:456:A:MET:HB2	18	0.7
(1,1262)	1:359:A:ASP:HA	1:360:A:GLY:HA3	5	0.7
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	2	0.7
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	2	0.7
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	7	0.7
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	7	0.7
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	7	0.7
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	9	0.7
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	9	0.7
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	9	0.7
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	13	0.7
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	13	0.7
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	13	0.7
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	14	0.7
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	14	0.7
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	14	0.7
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	18	0.7
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	18	0.7
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	18	0.7
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	19	0.7
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	19	0.7
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	19	0.7
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	20	0.7
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	20	0.7
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	20	0.7
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	5	0.7
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	10	0.7
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	13	0.7
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	15	0.7
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	18	0.7
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	3	0.7
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	3	0.7
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	3	0.7
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	7	0.7
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	7	0.7
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	7	0.7
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	16	0.7
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	16	0.7
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	16	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	1	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	1	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	1	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	7	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	7	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	7	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	10	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	10	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	10	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	13	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	13	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	13	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	14	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	14	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	14	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	18	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	18	0.7
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	18	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	1	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	1	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	1	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	2	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	2	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	2	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	3	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	3	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	3	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	4	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	4	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	4	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	5	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	5	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	5	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	6	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	6	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	6	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	7	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	7	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	7	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	8	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	8	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	8	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	9	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	9	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	9	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	10	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	10	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	10	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	11	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	11	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	12	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	12	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	12	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	13	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	13	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	13	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	14	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	14	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	14	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	15	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	15	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	15	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	16	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	16	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	16	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	17	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	17	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	17	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	18	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	18	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	18	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	19	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	19	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	19	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG21	20	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG22	20	0.7
(1,1183)	1:445:A:THR:HB	1:445:A:THR:HG23	20	0.7
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	4	0.7
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	17	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	2	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	3	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	4	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	5	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	9	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	11	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	12	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	13	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	14	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	17	0.7
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	1	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	2	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	6	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	7	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	9	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	11	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	13	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	14	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	17	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	18	0.7
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	20	0.7
(1,946)	1:442:A:CYS:HB3	1:442:A:CYS:H	19	0.7
(1,853)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	5	0.7
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	5	0.7
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	16	0.7
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	3	0.7
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	4	0.7
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	4	0.7
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	2	0.7
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	4	0.7
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	7	0.7
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	9	0.7
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	12	0.7
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	4	0.7
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	5	0.7
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	7	0.7
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	8	0.7
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	9	0.7
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	16	0.7
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	5	0.7
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	11	0.7
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	10	0.7
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	10	0.7
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	10	0.7
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	11	0.7
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	11	0.7
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	11	0.7
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	18	0.7
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	18	0.7
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	18	0.7
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	3	0.7
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	12	0.7
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	18	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	5	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	5	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	5	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	7	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	7	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	7	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	16	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	16	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	16	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	20	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	20	0.7
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	20	0.7
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	16	0.7
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	19	0.7
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	2	0.7
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	7	0.7
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	6	0.7
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	6	0.7
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	6	0.7
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	5	0.7
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	16	0.7
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	8	0.7
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	12	0.7
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	18	0.7
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	7	0.7
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	7	0.7
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	7	0.7
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	9	0.7
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	9	0.7
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	9	0.7
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	10	0.7
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	10	0.7
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	10	0.7
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	10	0.7
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	10	0.7
(1,57)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	10	0.7
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	6	0.7
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	18	0.7
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	20	0.7
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	6	0.69
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	13	0.69
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	1	0.69
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	11	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	7	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	7	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	7	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	8	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	8	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	8	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	13	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	13	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	13	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	16	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	16	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	16	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	17	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	17	0.69
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	17	0.69
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	20	0.69
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	3	0.69
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	4	0.69
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	6	0.69
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	11	0.69
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	15	0.69
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	18	0.69
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	1	0.69
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	4	0.69
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	7	0.69
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	8	0.69
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	9	0.69
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	5	0.69
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	6	0.69
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	12	0.69
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	1	0.69
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	1	0.69
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	1	0.69
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	2	0.69
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	2	0.69
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	2	0.69
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	4	0.69
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	6	0.69
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	7	0.69
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	8	0.69
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	13	0.69
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	15	0.69
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	18	0.69
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	6	0.69
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	6	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	3	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	3	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	3	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	4	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	4	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	4	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	5	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	5	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	5	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	12	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	12	0.69
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	12	0.69
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	1	0.69
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	1	0.69
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	1	0.69
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	5	0.69
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	3	0.69
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	7	0.69
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	7	0.69
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	6	0.69
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	8	0.69
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	9	0.69
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	11	0.69
(1,2928)	1:376:A:PRO:HB3	1:376:A:PRO:HA	17	0.69
(1,2859)	1:427:A:PRO:HD2	1:428:A:GLU:H	18	0.69
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	6	0.69
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	14	0.69
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	18	0.69
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	3	0.69
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	6	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	1	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	3	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	5	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	8	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	9	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	11	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	12	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	13	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	14	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	15	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	16	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	17	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	18	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	19	0.69
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	20	0.69
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	7	0.69
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	9	0.69
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	13	0.69
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	17	0.69
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	18	0.69
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	10	0.69
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	5	0.69
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	16	0.69
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	3	0.69
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	4	0.69
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	5	0.69
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	8	0.69
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	10	0.69
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	12	0.69
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	15	0.69
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	19	0.69
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	7	0.69
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	8	0.69
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	8	0.69
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	8	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	3	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	4	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	5	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	6	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	7	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	8	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	9	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	10	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	11	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	13	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	15	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	17	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	18	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	19	0.69
(1,2474)	1:451:A:LYS:HB2	1:451:A:LYS:HA	20	0.69
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	4	0.69
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	7	0.69
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	11	0.69
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	18	0.69
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	5	0.69
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	10	0.69
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	13	0.69
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	14	0.69
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	15	0.69
(1,2423)	1:376:A:PRO:HD3	1:375:A:THR:H	16	0.69
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	6	0.69
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	6	0.69
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	6	0.69
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	13	0.69
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	13	0.69
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	13	0.69
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	15	0.69
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	15	0.69
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	15	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	1	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	1	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	1	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	2	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	2	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	2	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	13	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	13	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	13	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	15	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	15	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	15	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	16	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	16	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	16	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG11	20	0.69
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG12	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2164)	1:465:A:VAL:HB	1:465:A:VAL:HG13	20	0.69
(1,2152)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	13	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	1	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	1	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	1	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	2	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	2	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	2	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	3	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	3	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	3	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	4	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	4	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	4	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	5	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	5	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	5	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	6	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	6	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	6	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	7	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	7	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	7	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	8	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	8	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	8	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	9	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	9	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	9	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	10	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	10	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	10	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	12	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	12	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	12	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	13	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	13	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	13	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	14	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	14	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	14	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	16	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	16	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	16	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	17	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	17	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	17	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	18	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	18	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	18	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	20	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	20	0.69
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	20	0.69
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	14	0.69
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	14	0.69
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	14	0.69
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	5	0.69
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	14	0.69
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	17	0.69
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	19	0.69
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	11	0.69
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	13	0.69
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	3	0.69
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	6	0.69
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	12	0.69
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	13	0.69
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	16	0.69
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	7	0.69
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	12	0.69
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	2	0.69
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	2	0.69
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	2	0.69
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	3	0.69
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	3	0.69
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	3	0.69
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	8	0.69
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	8	0.69
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	8	0.69
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	10	0.69
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	10	0.69
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	10	0.69
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	12	0.69
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	12	0.69
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	2	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	2	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	2	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	2	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	2	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	2	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	2	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	2	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	2	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	2	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	4	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	4	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	4	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	4	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	4	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	4	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	4	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	4	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	4	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	5	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	5	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	5	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	5	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	5	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	5	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	5	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	5	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	5	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	6	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	6	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	6	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	6	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	6	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	6	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	6	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	6	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	6	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	7	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	7	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	7	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	7	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	7	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	7	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	7	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	7	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	13	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	13	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	13	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	13	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	13	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	13	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	13	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	13	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	13	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	14	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	14	0.69
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	14	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	14	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	14	0.69
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	14	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	14	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	14	0.69
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	14	0.69
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	5	0.69
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	5	0.69
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	5	0.69
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	13	0.69
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	13	0.69
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	13	0.69
(1,1838)	1:390:A:ASP:HA	1:390:A:ASP:H	4	0.69
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	4	0.69
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	15	0.69
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	3	0.69
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	3	0.69
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	3	0.69
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	19	0.69
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	19	0.69
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	19	0.69
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	20	0.69
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	20	0.69
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	20	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	1	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	1	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	3	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	3	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	3	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	8	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	8	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	8	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	13	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	13	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	13	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	14	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	14	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	14	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	15	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	15	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	15	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	16	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	16	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	16	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	18	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	18	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	18	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	19	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	19	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	19	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	20	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	20	0.69
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	20	0.69
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	9	0.69
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	18	0.69
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	14	0.69
(1,1644)	1:341:A:GLU:HB3	1:342:A:ASP:H	16	0.69
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	2	0.69
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	5	0.69
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	8	0.69
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	18	0.69
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	1	0.69
(1,1624)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	5	0.69
(1,1622)	1:340:A:MET:HG2	1:340:A:MET:HA	15	0.69
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	20	0.69
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	20	0.69
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	16	0.69
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	17	0.69
(1,1442)	1:383:A:TYR:HB3	1:383:A:TYR:HA	19	0.69
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	11	0.69
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	16	0.69
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	19	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	1	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	1	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	1	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	6	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	6	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	6	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	7	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	7	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	7	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	8	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	8	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	8	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	9	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	9	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	9	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	10	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	10	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	10	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	13	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	13	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	13	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	15	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	15	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	15	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG21	18	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG22	18	0.69
(1,1282)	1:366:A:THR:HB	1:366:A:THR:HG23	18	0.69
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	1	0.69
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	1	0.69
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	1	0.69
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	4	0.69
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	4	0.69
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	4	0.69
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	5	0.69
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	5	0.69
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	6	0.69
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	6	0.69
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	6	0.69
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	8	0.69
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	8	0.69
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	8	0.69
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	10	0.69
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	10	0.69
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	10	0.69
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	11	0.69
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	11	0.69
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	11	0.69
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	2	0.69
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	9	0.69
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	17	0.69
(1,1244)	1:364:A:LEU:HB2	1:364:A:LEU:H	20	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	2	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	2	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	2	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	4	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	4	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	4	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	6	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	6	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	6	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	8	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	8	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	8	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	9	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	9	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	9	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	10	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	10	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	10	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	11	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	11	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	11	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	12	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	12	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	12	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	14	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	14	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	17	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	17	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	17	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	18	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	18	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	18	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	19	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	19	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	19	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	20	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	20	0.69
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	20	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	3	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	3	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	3	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	4	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	4	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	4	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	5	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	5	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	5	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	9	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	9	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	9	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	15	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	15	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	15	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	20	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	20	0.69
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	20	0.69
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	15	0.69
(1,1057)	1:453:A:LEU:HA	1:454:A:PHE:H	6	0.69
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	3	0.69
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	4	0.69
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	5	0.69
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	8	0.69
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	10	0.69
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	12	0.69
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	15	0.69
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	19	0.69
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	20	0.69
(1,894)	1:362:A:VAL:HG11	1:355:A:TRP:HZ3	19	0.69
(1,894)	1:362:A:VAL:HG12	1:355:A:TRP:HZ3	19	0.69
(1,894)	1:362:A:VAL:HG13	1:355:A:TRP:HZ3	19	0.69
(1,853)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	8	0.69
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	8	0.69
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	1	0.69
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	4	0.69
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	2	0.69
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	2	0.69
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	8	0.69
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	8	0.69
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	14	0.69
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	14	0.69
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	19	0.69
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	19	0.69
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	5	0.69
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	17	0.69
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	18	0.69
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	19	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	1	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	3	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	6	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	7	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	8	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	10	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	12	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	15	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	16	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	17	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	18	0.69
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	20	0.69
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	3	0.69
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	17	0.69
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	3	0.69
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	3	0.69
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	3	0.69
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	19	0.69
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	19	0.69
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	19	0.69
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	20	0.69
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	20	0.69
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	5	0.69
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	10	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	1	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	1	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	1	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	2	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	2	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	2	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	3	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	3	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	3	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	4	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	4	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	4	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	5	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	5	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	5	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	6	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	6	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	6	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	7	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	7	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	7	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	8	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	8	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	8	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	9	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	9	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	9	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	10	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	10	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	10	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	11	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	11	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	11	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	13	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	13	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	13	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	14	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	14	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	15	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	15	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	15	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	16	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	16	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	16	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	17	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	17	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	17	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	18	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	18	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	18	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	19	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	19	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	19	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	20	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	20	0.69
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	20	0.69
(1,496)	1:442:A:CYS:HB2	1:442:A:CYS:H	6	0.69
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	6	0.69
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	3	0.69
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	3	0.69
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	3	0.69
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	10	0.69
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	10	0.69
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	10	0.69
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	14	0.69
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	14	0.69
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	14	0.69
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	18	0.69
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	19	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	11	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	11	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	11	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	12	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	12	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	12	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	16	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	16	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	16	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	17	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	17	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	19	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	19	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	19	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	20	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	20	0.69
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	20	0.69
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	4	0.69
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	15	0.69
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	8	0.69
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	8	0.69
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	8	0.69
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	13	0.69
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	13	0.69
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	13	0.69
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	15	0.69
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	15	0.69
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	15	0.69
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	7	0.69
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	4	0.69
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	13	0.69
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	12	0.69
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	12	0.69
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	12	0.69
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	8	0.69
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	11	0.68
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	11	0.68
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	11	0.68
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	4	0.68
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	5	0.68
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	7	0.68
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	15	0.68
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	16	0.68
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	19	0.68
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	19	0.68
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	19	0.68
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	6	0.68
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	12	0.68
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	20	0.68
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	1	0.68
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	1	0.68
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3939)	1:368:A:ILE:H	1:353:A:HIS:HA	5	0.68
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	10	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	1	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	2	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	3	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	4	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	5	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	6	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	7	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	8	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	9	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	10	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	11	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	12	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	13	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	14	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	15	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	16	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	17	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	18	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	19	0.68
(1,3905)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	20	0.68
(1,3884)	1:433:A:LEU:H	1:433:A:LEU:HG	13	0.68
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	5	0.68
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	15	0.68
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	16	0.68
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	17	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	1	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	2	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	3	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	4	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	5	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	6	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	7	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	8	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	9	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	10	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	11	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	12	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	13	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	14	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	16	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	17	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	18	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	19	0.68
(1,3815)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	20	0.68
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	3	0.68
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	5	0.68
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	18	0.68
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	8	0.68
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	1	0.68
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	3	0.68
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	8	0.68
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	9	0.68
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	11	0.68
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	13	0.68
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	17	0.68
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	20	0.68
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	4	0.68
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	8	0.68
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	8	0.68
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	8	0.68
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	10	0.68
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	10	0.68
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	10	0.68
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	14	0.68
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	14	0.68
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	14	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	1	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	2	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	3	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	9	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	10	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	11	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	14	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	16	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	17	0.68
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	20	0.68
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	5	0.68
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	5	0.68
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	5	0.68
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	6	0.68
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	6	0.68
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	8	0.68
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	8	0.68
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	8	0.68
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	11	0.68
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	11	0.68
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	11	0.68
(1,3135)	1:343:A:THR:HA	1:344:A:TYR:H	20	0.68
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	4	0.68
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	11	0.68
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	6	0.68
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	20	0.68
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	7	0.68
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	5	0.68
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	5	0.68
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	5	0.68
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	2	0.68
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	6	0.68
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	13	0.68
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	11	0.68
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	15	0.68
(1,2732)	1:462:A:PRO:HB2	1:463:A:VAL:H	1	0.68
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	18	0.68
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	2	0.68
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	7	0.68
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	8	0.68
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	17	0.68
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	2	0.68
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	4	0.68
(1,2660)	1:451:A:LYS:HB3	1:451:A:LYS:HA	10	0.68
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	1	0.68
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	6	0.68
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	8	0.68
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	15	0.68
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	7	0.68
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	17	0.68
(1,2550)	1:453:A:LEU:HA	1:453:A:LEU:HB2	16	0.68
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	13	0.68
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	15	0.68
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	2	0.68
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	3	0.68
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	4	0.68
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	4	0.68
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	8	0.68
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	8	0.68
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	8	0.68
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	14	0.68
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	14	0.68
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	14	0.68
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	17	0.68
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	17	0.68
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	17	0.68
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	10	0.68
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	2	0.68
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	11	0.68
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	20	0.68
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	15	0.68
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	15	0.68
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	15	0.68
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	13	0.68
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	20	0.68
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	9	0.68
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	15	0.68
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	18	0.68
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	7	0.68
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	7	0.68
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	7	0.68
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	18	0.68
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	18	0.68
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	18	0.68
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	6	0.68
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	8	0.68
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	13	0.68
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	12	0.68
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	15	0.68
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	1	0.68
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	18	0.68
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	16	0.68
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	1	0.68
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	2	0.68
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	3	0.68
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	4	0.68
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	8	0.68
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	10	0.68
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	11	0.68
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	15	0.68
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	19	0.68
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	10	0.68
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	9	0.68
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	9	0.68
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	9	0.68
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	13	0.68
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	13	0.68
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	13	0.68
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	19	0.68
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	19	0.68
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	19	0.68
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	20	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	3	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	3	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	3	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	3	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	3	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	3	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	3	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	3	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	3	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	8	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	8	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	8	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	8	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	8	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	8	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	8	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	8	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	8	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	9	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	9	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	9	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	9	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	9	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	9	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	9	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	9	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	10	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	10	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	10	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	10	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	10	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	10	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	10	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	10	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	10	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	15	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	15	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	15	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	15	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	15	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	15	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	15	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	15	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	15	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	17	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	17	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	17	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	17	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	17	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	17	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	17	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	17	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	17	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	19	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	19	0.68
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	19	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	19	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	19	0.68
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	19	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	19	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	19	0.68
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	19	0.68
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	8	0.68
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	8	0.68
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	8	0.68
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	9	0.68
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	9	0.68
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	10	0.68
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	10	0.68
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	10	0.68
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	17	0.68
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	17	0.68
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	17	0.68
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	18	0.68
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	18	0.68
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	18	0.68
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	20	0.68
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	20	0.68
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	20	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	2	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	2	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	2	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	4	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	4	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	4	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	5	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	5	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	5	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	6	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	6	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	6	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	7	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	7	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	7	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	9	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	9	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	9	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	10	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	10	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	10	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	11	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	11	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	11	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	12	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	12	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	12	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG21	17	0.68
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG22	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1734)	1:420:A:ILE:HB	1:420:A:ILE:HG23	17	0.68
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	14	0.68
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	8	0.68
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	16	0.68
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	19	0.68
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	20	0.68
(1,1642)	1:375:A:THR:HB	1:375:A:THR:HA	4	0.68
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	18	0.68
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	1	0.68
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	1	0.68
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	1	0.68
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	2	0.68
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	2	0.68
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	2	0.68
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	4	0.68
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	4	0.68
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	4	0.68
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	8	0.68
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	8	0.68
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	8	0.68
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	11	0.68
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	11	0.68
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	11	0.68
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	13	0.68
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	13	0.68
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	13	0.68
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	14	0.68
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	14	0.68
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	14	0.68
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	15	0.68
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	15	0.68
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	15	0.68
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	11	0.68
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	9	0.68
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	1	0.68
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	7	0.68
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	10	0.68
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	12	0.68
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	13	0.68
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	15	0.68
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	19	0.68
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	3	0.68
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	3	0.68
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	3	0.68
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	16	0.68
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	16	0.68
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	16	0.68
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	5	0.68
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	5	0.68
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	5	0.68
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	13	0.68
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	13	0.68
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	13	0.68
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG21	15	0.68
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG22	15	0.68
(1,1200)	1:345:A:ILE:HG13	1:345:A:ILE:HG23	15	0.68
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	16	0.68
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	16	0.68
(1,1197)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	16	0.68
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	19	0.68
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	19	0.68
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	19	0.68
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	9	0.68
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	16	0.68
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	16	0.68
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	16	0.68
(1,985)	1:453:A:LEU:HB2	1:453:A:LEU:HA	16	0.68
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	1	0.68
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	18	0.68
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	19	0.68
(1,853)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	20	0.68
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	8	0.68
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	19	0.68
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	20	0.68
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	1	0.68
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	4	0.68
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	9	0.68
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	10	0.68
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	13	0.68
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	18	0.68
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	1	0.68
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	3	0.68
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	12	0.68
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	12	0.68
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	16	0.68
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	16	0.68
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	20	0.68
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	20	0.68
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	6	0.68
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	8	0.68
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	2	0.68
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	4	0.68
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	5	0.68
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	11	0.68
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	13	0.68
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	19	0.68
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	16	0.68
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	2	0.68
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	4	0.68
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	11	0.68
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	20	0.68
(1,557)	1:346:A:GLU:HG2	1:346:A:GLU:HB2	16	0.68
(1,557)	1:346:A:GLU:HG2	1:346:A:GLU:HB2	17	0.68
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG21	12	0.68
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG22	12	0.68
(1,529)	1:463:A:VAL:HB	1:463:A:VAL:HG23	12	0.68
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	3	0.68
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	9	0.68
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	2	0.68
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	14	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	1	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	1	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	1	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	4	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	4	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	4	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	6	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	6	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	6	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	9	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	9	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	9	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	12	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	12	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	12	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	17	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	17	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	17	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	18	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	18	0.68
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	18	0.68
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	5	0.68
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	9	0.68
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	12	0.68
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	17	0.68
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	18	0.68
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	20	0.68
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	2	0.68
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	10	0.68
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	12	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	1	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	1	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	1	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	2	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	2	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	2	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	6	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	6	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	6	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	7	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	7	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	7	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	8	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	8	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	8	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	9	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	9	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	9	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	13	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	13	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	13	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	14	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	14	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	14	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	15	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	15	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	18	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	18	0.68
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	18	0.68
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	5	0.68
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	18	0.68
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	2	0.68
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	2	0.68
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	2	0.68
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	4	0.68
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	4	0.68
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	4	0.68
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	11	0.68
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	11	0.68
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	11	0.68
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	12	0.68
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	12	0.68
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	12	0.68
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	14	0.68
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	14	0.68
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	14	0.68
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	19	0.68
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	15	0.68
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	7	0.68
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	2	0.68
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	2	0.68
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	2	0.68
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	2	0.68
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	10	0.68
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	15	0.68
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	9	0.67
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	9	0.67
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	9	0.67
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	19	0.67
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD21	20	0.67
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD22	20	0.67
(1,4060)	1:365:A:GLU:H	1:364:A:LEU:HD23	20	0.67
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	11	0.67
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	17	0.67
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	2	0.67
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	13	0.67
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	12	0.67
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	19	0.67
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	20	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	1	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	2	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	4	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	6	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	7	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	8	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	9	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	10	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	11	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	12	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	13	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	14	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	15	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	16	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	17	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	19	0.67
(1,3782)	1:352:A:GLN:HE21	1:352:A:GLN:HE22	20	0.67
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	4	0.67
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	10	0.67
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	15	0.67
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	18	0.67
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	19	0.67
(1,3719)	1:435:A:LYS:H	1:435:A:LYS:HG3	13	0.67
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	13	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	1	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	2	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	3	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	4	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	6	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	7	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	8	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	9	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	10	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	11	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	12	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	13	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	14	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	15	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	17	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	18	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	19	0.67
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	20	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	4	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	4	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	4	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	8	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	8	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	8	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	12	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	12	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	12	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	20	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	20	0.67
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	20	0.67
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	12	0.67
(1,3624)	1:346:A:GLU:H	1:346:A:GLU:HA	19	0.67
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	1	0.67
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	5	0.67
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	14	0.67
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	15	0.67
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	9	0.67
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	7	0.67
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	10	0.67
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	13	0.67
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	14	0.67
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	7	0.67
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	7	0.67
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	7	0.67
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	7	0.67
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	7	0.67
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	7	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	1	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	2	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	3	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	4	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	6	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	7	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	8	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	9	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	11	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	12	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	13	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	14	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	15	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	16	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	17	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	18	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	19	0.67
(1,3360)	1:410:A:TRP:HE3	1:410:A:TRP:HZ3	20	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	2	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	3	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	4	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	5	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	6	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	9	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	11	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	12	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	14	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	15	0.67
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	20	0.67
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	1	0.67
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	1	0.67
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	7	0.67
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	7	0.67
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	8	0.67
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	8	0.67
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	2	0.67
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	2	0.67
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	2	0.67
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	9	0.67
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	9	0.67
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	9	0.67
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	17	0.67
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	17	0.67
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	17	0.67
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	14	0.67
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	20	0.67
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	18	0.67
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	18	0.67
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	18	0.67
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	4	0.67
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	5	0.67
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	8	0.67
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	12	0.67
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	13	0.67
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	15	0.67
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	16	0.67
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	18	0.67
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	2	0.67
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	20	0.67
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	20	0.67
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	17	0.67
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	4	0.67
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	9	0.67
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	10	0.67
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	9	0.67
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	3	0.67
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	4	0.67
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	15	0.67
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	3	0.67
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	2	0.67
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	4	0.67
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	8	0.67
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	12	0.67
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	20	0.67
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	3	0.67
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	4	0.67
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	13	0.67
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	14	0.67
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	15	0.67
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	19	0.67
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	20	0.67
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	2	0.67
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	2	0.67
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	2	0.67
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	6	0.67
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	6	0.67
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	6	0.67
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	9	0.67
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	9	0.67
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	9	0.67
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	10	0.67
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	10	0.67
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	15	0.67
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	15	0.67
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	15	0.67
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	9	0.67
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	10	0.67
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	13	0.67
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	14	0.67
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	9	0.67
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	9	0.67
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	9	0.67
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	9	0.67
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	9	0.67
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	9	0.67
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	9	0.67
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	9	0.67
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	9	0.67
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	5	0.67
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	5	0.67
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	5	0.67
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	7	0.67
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	7	0.67
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	7	0.67
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	18	0.67
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	18	0.67
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	18	0.67
(1,2307)	1:393:A:LEU:HB2	1:393:A:LEU:HG	10	0.67
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	16	0.67
(1,2228)	1:339:A:HIS:HB3	1:340:A:MET:HG3	4	0.67
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	18	0.67
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	18	0.67
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	18	0.67
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	10	0.67
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	10	0.67
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	10	0.67
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	19	0.67
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	19	0.67
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	19	0.67
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	15	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	1	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	4	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	5	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	6	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	8	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	11	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	12	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	16	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	17	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	19	0.67
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	20	0.67
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	2	0.67
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	1	0.67
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	4	0.67
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	12	0.67
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	18	0.67
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	1	0.67
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	4	0.67
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	10	0.67
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	20	0.67
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	14	0.67
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	20	0.67
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	6	0.67
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	12	0.67
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	13	0.67
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	16	0.67
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	17	0.67
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	18	0.67
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	20	0.67
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	11	0.67
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	11	0.67
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	11	0.67
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	17	0.67
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	17	0.67
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	17	0.67
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	17	0.67
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	11	0.67
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	11	0.67
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	11	0.67
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	11	0.67
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	11	0.67
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	11	0.67
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	11	0.67
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	11	0.67
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	12	0.67
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	12	0.67
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	12	0.67
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	12	0.67
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	12	0.67
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	12	0.67
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	12	0.67
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	12	0.67
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	12	0.67
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	6	0.67
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	6	0.67
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	6	0.67
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	15	0.67
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	15	0.67
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	15	0.67
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	16	0.67
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	16	0.67
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	16	0.67
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	11	0.67
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	11	0.67
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	11	0.67
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	15	0.67
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	15	0.67
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	15	0.67
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	1	0.67
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	14	0.67
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	14	0.67
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	14	0.67
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	18	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	3	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	3	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	3	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	5	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	5	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	5	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	6	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	6	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	6	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	7	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	7	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	7	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	9	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	9	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	9	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	10	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	10	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	10	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	12	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	12	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	12	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	16	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	16	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	16	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	17	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	17	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	17	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	18	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	18	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	18	0.67
(1,1619)	1:413:A:ILE:HG21	1:413:A:ILE:HB	19	0.67
(1,1619)	1:413:A:ILE:HG22	1:413:A:ILE:HB	19	0.67
(1,1619)	1:413:A:ILE:HG23	1:413:A:ILE:HB	19	0.67
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	12	0.67
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	8	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	2	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	4	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	5	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	6	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	8	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	9	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	11	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	14	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	16	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	17	0.67
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	18	0.67
(1,1258)	1:343:A:THR:HG21	1:358:A:LYS:HG2	17	0.67
(1,1258)	1:343:A:THR:HG22	1:358:A:LYS:HG2	17	0.67
(1,1258)	1:343:A:THR:HG23	1:358:A:LYS:HG2	17	0.67
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	10	0.67
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	10	0.67
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	10	0.67
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	11	0.67
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	11	0.67
(1,1032)	1:347:A:VAL:HB	1:347:A:VAL:H	6	0.67
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	19	0.67
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	6	0.67
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	10	0.67
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	11	0.67
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	14	0.67
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	20	0.67
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	20	0.67
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	20	0.67
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	2	0.67
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	3	0.67
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	11	0.67
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	12	0.67
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	14	0.67
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	15	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	4	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	4	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	4	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	7	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	7	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	7	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	12	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	12	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	12	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	15	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	15	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	15	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	16	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	16	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	16	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	18	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	18	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	18	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	19	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	19	0.67
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	19	0.67
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	1	0.67
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	1	0.67
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	9	0.67
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	18	0.67
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	18	0.67
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	10	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	2	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	3	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	4	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	5	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	7	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	10	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	13	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	15	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	18	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	19	0.67
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	20	0.67
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	9	0.67
(1,690)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	14	0.67
(1,557)	1:346:A:GLU:HG2	1:346:A:GLU:HB2	11	0.67
(1,557)	1:346:A:GLU:HG2	1:346:A:GLU:HB2	12	0.67
(1,557)	1:346:A:GLU:HG2	1:346:A:GLU:HB2	19	0.67
(1,557)	1:346:A:GLU:HG2	1:346:A:GLU:HB2	20	0.67
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	1	0.67
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	17	0.67
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	2	0.67
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	2	0.67
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	2	0.67
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	6	0.67
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	7	0.67
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	8	0.67
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	11	0.67
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	13	0.67
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	15	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	3	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	3	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	3	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	4	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	4	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	4	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	5	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	5	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	5	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG11	10	0.67
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG12	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:347:A:VAL:HB	1:347:A:VAL:HG13	10	0.67
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	7	0.67
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	15	0.67
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	2	0.67
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	3	0.67
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	11	0.67
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	14	0.67
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	14	0.67
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	14	0.67
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	1	0.67
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	2	0.67
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	8	0.66
(1,4091)	1:432:A:ASP:H	1:433:A:LEU:HG	6	0.66
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	17	0.66
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	19	0.66
(1,3974)	1:355:A:TRP:HE1	1:353:A:HIS:HB3	12	0.66
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	5	0.66
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	5	0.66
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	5	0.66
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	18	0.66
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	18	0.66
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	18	0.66
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	19	0.66
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	19	0.66
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	19	0.66
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	13	0.66
(1,3688)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	5	0.66
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	13	0.66
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	13	0.66
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	13	0.66
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	15	0.66
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	15	0.66
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	15	0.66
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	20	0.66
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	1	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	1	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	2	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	3	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	4	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	5	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	6	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	9	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	11	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	12	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	15	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	16	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	17	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	18	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	19	0.66
(1,3454)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	20	0.66
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	8	0.66
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	4	0.66
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	4	0.66
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	4	0.66
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	4	0.66
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	4	0.66
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	4	0.66
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	5	0.66
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	11	0.66
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	6	0.66
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	9	0.66
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	10	0.66
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	19	0.66
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	1	0.66
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	7	0.66
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	8	0.66
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	10	0.66
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	13	0.66
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	16	0.66
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	17	0.66
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	18	0.66
(1,3304)	1:434:A:TRP:HZ3	1:434:A:TRP:HH2	19	0.66
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	7	0.66
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	7	0.66
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	14	0.66
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	14	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	1	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	3	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	5	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	6	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	7	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	9	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	10	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	11	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	12	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	15	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	16	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	17	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	18	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	19	0.66
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	20	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	1	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	1	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	1	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	13	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	13	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	13	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	16	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	16	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	16	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	20	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	20	0.66
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	20	0.66
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	15	0.66
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	16	0.66
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	12	0.66
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	19	0.66
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	7	0.66
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	7	0.66
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	7	0.66
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	9	0.66
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	9	0.66
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	9	0.66
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	16	0.66
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	16	0.66
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	16	0.66
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	3	0.66
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	9	0.66
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	11	0.66
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	14	0.66
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	17	0.66
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	19	0.66
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	20	0.66
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	3	0.66
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	17	0.66
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	11	0.66
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	7	0.66
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	2	0.66
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	4	0.66
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	8	0.66
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	10	0.66
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	12	0.66
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	16	0.66
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	20	0.66
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	1	0.66
(1,2642)	1:457:A:VAL:HA	1:458:A:GLU:H	14	0.66
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	13	0.66
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	10	0.66
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	1	0.66
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	2	0.66
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	6	0.66
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	9	0.66
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	10	0.66
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	12	0.66
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	8	0.66
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	9	0.66
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	14	0.66
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	14	0.66
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	14	0.66
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	20	0.66
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	20	0.66
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	20	0.66
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	1	0.66
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	5	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	3	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	3	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	3	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	3	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	3	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	3	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	3	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	3	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	3	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	4	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	4	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	4	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	4	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	4	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	4	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	4	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	4	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	4	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	8	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	8	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	8	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	8	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	8	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	8	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	8	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	8	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	8	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	12	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	12	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	12	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	12	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	12	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	12	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	12	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	12	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	12	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	15	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	15	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	15	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	15	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	15	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	15	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	15	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	15	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	15	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	19	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	19	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	19	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	19	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	19	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	19	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	19	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	19	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	20	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	20	0.66
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	20	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	20	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	20	0.66
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	20	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	20	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	20	0.66
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	20	0.66
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	9	0.66
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	9	0.66
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	9	0.66
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	11	0.66
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	11	0.66
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	11	0.66
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	16	0.66
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	16	0.66
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	16	0.66
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	9	0.66
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	1	0.66
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	4	0.66
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	15	0.66
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	20	0.66
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	12	0.66
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	9	0.66
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	9	0.66
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	9	0.66
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	1	0.66
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	14	0.66
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	1	0.66
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	6	0.66
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG21	11	0.66
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG22	11	0.66
(1,2116)	1:418:A:VAL:HB	1:418:A:VAL:HG23	11	0.66
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	7	0.66
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	3	0.66
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	7	0.66
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	10	0.66
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	13	0.66
(1,2087)	1:362:A:VAL:HB	1:362:A:VAL:HA	14	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	4	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	7	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	10	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	11	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	12	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	13	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	15	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	16	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	17	0.66
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	19	0.66
(1,2074)	1:433:A:LEU:HD11	1:433:A:LEU:HA	13	0.66
(1,2074)	1:433:A:LEU:HD12	1:433:A:LEU:HA	13	0.66
(1,2074)	1:433:A:LEU:HD13	1:433:A:LEU:HA	13	0.66
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	3	0.66
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	7	0.66
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	9	0.66
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	11	0.66
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	20	0.66
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	8	0.66
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	16	0.66
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	17	0.66
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	19	0.66
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	9	0.66
(1,2014)	1:454:A:PHE:HA	1:454:A:PHE:HB2	14	0.66
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	1	0.66
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	16	0.66
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	19	0.66
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	20	0.66
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	20	0.66
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	20	0.66
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	6	0.66
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	1	0.66
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	1	0.66
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	1	0.66
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	1	0.66
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	1	0.66
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	1	0.66
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	1	0.66
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	1	0.66
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	1	0.66
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	20	0.66
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	20	0.66
(1,1870)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	20	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	20	0.66
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	20	0.66
(1,1870)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	20	0.66
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	20	0.66
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	20	0.66
(1,1870)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	20	0.66
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	1	0.66
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	1	0.66
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	1	0.66
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	3	0.66
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	3	0.66
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	3	0.66
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	4	0.66
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	4	0.66
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	4	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	1	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	1	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	1	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	4	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	4	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	4	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	12	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	12	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	12	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	16	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	16	0.66
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	16	0.66
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	8	0.66
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	1	0.66
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	2	0.66
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	6	0.66
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	11	0.66
(1,1470)	1:393:A:LEU:HD11	1:425:A:TRP:HZ3	10	0.66
(1,1470)	1:393:A:LEU:HD12	1:425:A:TRP:HZ3	10	0.66
(1,1470)	1:393:A:LEU:HD13	1:425:A:TRP:HZ3	10	0.66
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	11	0.66
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	12	0.66
(1,1264)	1:453:A:LEU:HA	1:453:A:LEU:H	3	0.66
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	15	0.66
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	3	0.66
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	4	0.66
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	9	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	17	0.66
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	5	0.66
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	7	0.66
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	17	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	1	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	1	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	1	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	2	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	2	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	2	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	3	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	3	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	3	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	5	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	5	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	5	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	6	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	6	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	6	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	8	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	8	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	8	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	9	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	9	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	9	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	10	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	10	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	10	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	11	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	11	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	11	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	13	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	13	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	13	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	14	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	14	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	14	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	17	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	17	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	17	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG21	20	0.66
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG22	20	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:384:A:VAL:HB	1:384:A:VAL:HG23	20	0.66
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	5	0.66
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	5	0.66
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	13	0.66
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	13	0.66
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	15	0.66
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	15	0.66
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	17	0.66
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	17	0.66
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	1	0.66
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	9	0.66
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	11	0.66
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	14	0.66
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	16	0.66
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	17	0.66
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	13	0.66
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	8	0.66
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	12	0.66
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	5	0.66
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	8	0.66
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	4	0.66
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	6	0.66
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	10	0.66
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	11	0.66
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	19	0.66
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	19	0.66
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	19	0.66
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	3	0.66
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	5	0.66
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	13	0.66
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG11	8	0.66
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG12	8	0.66
(1,423)	1:418:A:VAL:HA	1:418:A:VAL:HG13	8	0.66
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	3	0.66
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	4	0.66
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	10	0.66
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	14	0.66
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	3	0.66
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	8	0.66
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	16	0.66
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	17	0.66
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	17	0.66
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	17	0.66
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	20	0.66
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	20	0.66
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	20	0.66
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	3	0.66
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	4	0.66
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	5	0.66
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	8	0.66
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	10	0.66
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	10	0.66
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	15	0.66
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	9	0.66
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	1	0.66
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	7	0.66
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	11	0.66
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	7	0.66
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	7	0.66
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	7	0.66
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	9	0.66
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	9	0.66
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	9	0.66
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	3	0.66
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	8	0.66
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	9	0.66
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	10	0.66
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	3	0.66
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	6	0.66
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	9	0.66
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	12	0.66
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	13	0.66
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	17	0.66
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	18	0.66
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	17	0.66
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	17	0.66
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	17	0.66
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	9	0.66
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	9	0.66
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	9	0.66
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	17	0.65
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	17	0.65
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4160)	1:426:A:GLN:HE21	1:428:A:GLU:HB2	9	0.65
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	16	0.65
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	11	0.65
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	5	0.65
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	11	0.65
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	3	0.65
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	3	0.65
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	3	0.65
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	3	0.65
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	7	0.65
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	7	0.65
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	7	0.65
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	5	0.65
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	5	0.65
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	5	0.65
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	2	0.65
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	16	0.65
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	8	0.65
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG21	13	0.65
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG22	13	0.65
(1,3707)	1:354:A:MET:H	1:347:A:VAL:HG23	13	0.65
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	4	0.65
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	18	0.65
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	18	0.65
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	18	0.65
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	8	0.65
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	10	0.65
(1,3533)	1:448:A:SER:H	1:449:A:VAL:HB	14	0.65
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	12	0.65
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	3	0.65
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	7	0.65
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	16	0.65
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	17	0.65
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	5	0.65
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	5	0.65
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	5	0.65
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	5	0.65
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	8	0.65
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	8	0.65
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	11	0.65
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	11	0.65
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	16	0.65
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	17	0.65
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	17	0.65
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	2	0.65
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	4	0.65
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	8	0.65
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	13	0.65
(1,3249)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	14	0.65
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	3	0.65
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	3	0.65
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	13	0.65
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	9	0.65
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	18	0.65
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	14	0.65
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	14	0.65
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	14	0.65
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	10	0.65
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	6	0.65
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	6	0.65
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	6	0.65
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	5	0.65
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	5	0.65
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	5	0.65
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	7	0.65
(1,2984)	1:346:A:GLU:HB3	1:346:A:GLU:HG3	16	0.65
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	14	0.65
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	1	0.65
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	5	0.65
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	13	0.65
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	14	0.65
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	15	0.65
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	9	0.65
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	4	0.65
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	1	0.65
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	2	0.65
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	19	0.65
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	4	0.65
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	7	0.65
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	12	0.65
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	16	0.65
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	17	0.65
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	7	0.65
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	14	0.65
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	15	0.65
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	17	0.65
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	11	0.65
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	18	0.65
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	3	0.65
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	3	0.65
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	3	0.65
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	7	0.65
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	7	0.65
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	7	0.65
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	11	0.65
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	11	0.65
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	11	0.65
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	12	0.65
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	12	0.65
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	12	0.65
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	16	0.65
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	16	0.65
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	16	0.65
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	17	0.65
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	17	0.65
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	17	0.65
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	6	0.65
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	6	0.65
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	6	0.65
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	12	0.65
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	12	0.65
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	12	0.65
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	4	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	1	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	1	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	1	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	1	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	1	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	1	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	1	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	1	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	1	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	2	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	2	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	2	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	2	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	2	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	2	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	2	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	2	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	5	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	5	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	5	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	5	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	5	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	5	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	5	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	5	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	5	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	6	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	6	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	6	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	6	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	6	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	6	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	6	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	6	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	6	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	7	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	7	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	7	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	7	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	7	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	7	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	7	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	7	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	7	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	10	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	10	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	10	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	10	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	10	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	10	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	10	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	10	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	11	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	11	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	11	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	11	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	11	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	11	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	11	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	11	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	11	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	13	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	13	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	13	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	13	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	13	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	13	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	13	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	13	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	13	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	14	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	14	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	14	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	14	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	14	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	14	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	14	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	14	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	14	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	16	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	16	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	16	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	16	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	16	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	16	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	16	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	16	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	16	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	17	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	17	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	17	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	17	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	17	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	17	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	17	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	17	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD11	18	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD12	18	0.65
(1,2414)	1:443:A:ILE:HG21	1:443:A:ILE:HD13	18	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD11	18	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD12	18	0.65
(1,2414)	1:443:A:ILE:HG22	1:443:A:ILE:HD13	18	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD11	18	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD12	18	0.65
(1,2414)	1:443:A:ILE:HG23	1:443:A:ILE:HD13	18	0.65
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	17	0.65
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	1	0.65
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	1	0.65
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	1	0.65
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	2	0.65
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	2	0.65
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	2	0.65
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	10	0.65
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	10	0.65
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	10	0.65
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	12	0.65
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	19	0.65
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	8	0.65
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	20	0.65
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	3	0.65
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	12	0.65
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	6	0.65
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	5	0.65
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	10	0.65
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	14	0.65
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	18	0.65
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	18	0.65
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	18	0.65
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	14	0.65
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	10	0.65
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	10	0.65
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	10	0.65
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	7	0.65
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	7	0.65
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	8	0.65
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	8	0.65
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	8	0.65
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	13	0.65
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	13	0.65
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	13	0.65
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	14	0.65
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	14	0.65
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	14	0.65
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	3	0.65
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	6	0.65
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	7	0.65
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	8	0.65
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	9	0.65
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	12	0.65
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	15	0.65
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	17	0.65
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	18	0.65
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	5	0.65
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	16	0.65
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	1	0.65
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	3	0.65
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	6	0.65
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	8	0.65
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	9	0.65
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	14	0.65
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	18	0.65
(1,2084)	1:458:A:GLU:HA	1:458:A:GLU:HB3	20	0.65
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	2	0.65
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	16	0.65
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	18	0.65
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	19	0.65
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	7	0.65
(1,1895)	1:362:A:VAL:HG11	1:355:A:TRP:HD1	16	0.65
(1,1895)	1:362:A:VAL:HG12	1:355:A:TRP:HD1	16	0.65
(1,1895)	1:362:A:VAL:HG13	1:355:A:TRP:HD1	16	0.65
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	19	0.65
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	19	0.65
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	19	0.65
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	2	0.65
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	2	0.65
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	13	0.65
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	13	0.65
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	13	0.65
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	14	0.65
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	14	0.65
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	14	0.65
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	15	0.65
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	15	0.65
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	15	0.65
(1,1731)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	5	0.65
(1,1731)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	11	0.65
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	10	0.65
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	13	0.65
(1,1405)	1:428:A:GLU:HG2	1:428:A:GLU:H	2	0.65
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	12	0.65
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	16	0.65
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	17	0.65
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	20	0.65
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	2	0.65
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	10	0.65
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	4	0.65
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	12	0.65
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE1	19	0.65
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE2	19	0.65
(1,1082)	1:421:A:HIS:HA	1:450:A:MET:HE3	19	0.65
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	2	0.65
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	12	0.65
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	19	0.65
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	19	0.65
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	19	0.65
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	16	0.65
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	16	0.65
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	16	0.65
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	7	0.65
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	7	0.65
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	7	0.65
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	5	0.65
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	18	0.65
(1,853)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	12	0.65
(1,853)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	17	0.65
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	16	0.65
(1,827)	1:354:A:MET:HA	1:355:A:TRP:H	20	0.65
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	6	0.65
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	6	0.65
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	10	0.65
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	10	0.65
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	11	0.65
(1,762)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	11	0.65
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	7	0.65
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	8	0.65
(1,740)	1:349:A:LEU:HA	1:350:A:GLU:HB3	12	0.65
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	3	0.65
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	4	0.65
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	10	0.65
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	1	0.65
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	9	0.65
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	13	0.65
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	19	0.65
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	6	0.65
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	6	0.65
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	6	0.65
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	15	0.65
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	15	0.65
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	15	0.65
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	7	0.65
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	12	0.65
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	17	0.65
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	20	0.65
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	8	0.65
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	12	0.65
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	19	0.65
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	16	0.65
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	19	0.65
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	13	0.65
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	2	0.65
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	9	0.65
(1,365)	1:435:A:LYS:HE2	1:435:A:LYS:HB2	16	0.65
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	14	0.65
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	17	0.65
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	18	0.65
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	20	0.65
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	4	0.65
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	1	0.65
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	15	0.65
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	16	0.65
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	17	0.65
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	1	0.65
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	1	0.65
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	1	0.65
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	4	0.65
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	4	0.65
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	4	0.65
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	5	0.65
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	5	0.65
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	5	0.65
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	6	0.65
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	6	0.65
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	6	0.65
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	15	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	1	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	2	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	4	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	5	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	7	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	8	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	10	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	11	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	15	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	16	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	19	0.65
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	20	0.65
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	3	0.65
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	3	0.65
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	3	0.65
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	4	0.65
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	4	0.65
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	4	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	4	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	4	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	4	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	6	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	6	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	8	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	8	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	8	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	14	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	14	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	14	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	18	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	18	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	18	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	19	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	19	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	19	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	20	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	20	0.65
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	20	0.65
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG11	16	0.64
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG12	16	0.64
(1,4196)	1:348:A:ASP:H	1:347:A:VAL:HG13	16	0.64
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	7	0.64
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	13	0.64
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	14	0.64
(1,4051)	1:355:A:TRP:H	1:355:A:TRP:HB2	20	0.64
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	12	0.64
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	19	0.64
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	19	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	9	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	9	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	9	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	11	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	11	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	11	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	12	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	12	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	12	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	13	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	13	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	13	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	20	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	20	0.64
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	20	0.64
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	1	0.64
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	12	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	17	0.64
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	6	0.64
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	10	0.64
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	11	0.64
(1,3820)	1:422:A:ASP:H	1:422:A:ASP:HB3	18	0.64
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	3	0.64
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	3	0.64
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	3	0.64
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	19	0.64
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	19	0.64
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	19	0.64
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	6	0.64
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	19	0.64
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	12	0.64
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	15	0.64
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	17	0.64
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	1	0.64
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	1	0.64
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	1	0.64
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	8	0.64
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	9	0.64
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	15	0.64
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	16	0.64
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	19	0.64
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	4	0.64
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	7	0.64
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	12	0.64
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	15	0.64
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	7	0.64
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	7	0.64
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	1	0.64
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	1	0.64
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	18	0.64
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	17	0.64
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	17	0.64
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	18	0.64
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	18	0.64
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	13	0.64
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	13	0.64
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	13	0.64
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	13	0.64
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	13	0.64
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	1	0.64
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	1	0.64
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	6	0.64
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	6	0.64
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	6	0.64
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	2	0.64
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	13	0.64
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	10	0.64
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	10	0.64
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	10	0.64
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	15	0.64
(1,2984)	1:346:A:GLU:HB3	1:346:A:GLU:HG3	17	0.64
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	2	0.64
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	16	0.64
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	3	0.64
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	19	0.64
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	2	0.64
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	7	0.64
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	12	0.64
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	4	0.64
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	15	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	1	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	2	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	3	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	4	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	5	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	6	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	7	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	8	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	9	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	10	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	11	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	12	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	15	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	16	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	17	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	18	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	19	0.64
(1,2876)	1:372:A:LYS:HD2	1:372:A:LYS:HD3	20	0.64
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	8	0.64
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	12	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	13	0.64
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	18	0.64
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	19	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	1	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	2	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	3	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	4	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	5	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	6	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	7	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	8	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	9	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	10	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	11	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	12	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	13	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	14	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	15	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	16	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	17	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	18	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	19	0.64
(1,2655)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	20	0.64
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	15	0.64
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	17	0.64
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	18	0.64
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	3	0.64
(1,2553)	1:457:A:VAL:HB	1:456:A:MET:HA	8	0.64
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	19	0.64
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	5	0.64
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	6	0.64
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	7	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	1	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	2	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	3	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	5	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	6	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	7	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	8	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	9	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	10	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	12	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	13	0.64
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	19	0.64
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	3	0.64
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	3	0.64
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	3	0.64
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	12	0.64
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	12	0.64
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	12	0.64
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	10	0.64
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	6	0.64
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	17	0.64
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	2	0.64
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	4	0.64
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	5	0.64
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	6	0.64
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	7	0.64
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	11	0.64
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	13	0.64
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	20	0.64
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	8	0.64
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	9	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	1	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	2	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	3	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	4	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	6	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	7	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	8	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	9	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	11	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	12	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	13	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	15	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	16	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	17	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	18	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	19	0.64
(1,2244)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	20	0.64
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	1	0.64
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	1	0.64
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	6	0.64
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	6	0.64
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	6	0.64
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	4	0.64
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	4	0.64
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	4	0.64
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	11	0.64
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	11	0.64
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	11	0.64
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	19	0.64
(1,2071)	1:404:A:GLU:HG3	1:404:A:GLU:HA	10	0.64
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	7	0.64
(1,2041)	1:361:A:LYS:HE3	1:361:A:LYS:HG2	7	0.64
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	2	0.64
(1,2027)	1:448:A:SER:HB3	1:449:A:VAL:HA	12	0.64
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	2	0.64
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	4	0.64
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	6	0.64
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	13	0.64
(1,1947)	1:418:A:VAL:HG21	1:419:A:GLY:H	19	0.64
(1,1947)	1:418:A:VAL:HG22	1:419:A:GLY:H	19	0.64
(1,1947)	1:418:A:VAL:HG23	1:419:A:GLY:H	19	0.64
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	2	0.64
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	15	0.64
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	2	0.64
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	2	0.64
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	2	0.64
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	5	0.64
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	5	0.64
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	5	0.64
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	8	0.64
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	8	0.64
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	8	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	3	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	3	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	3	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	6	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	6	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	6	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	9	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	9	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	17	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	17	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	17	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	18	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	18	0.64
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	18	0.64
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	3	0.64
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	3	0.64
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	3	0.64
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	6	0.64
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	6	0.64
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	6	0.64
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	11	0.64
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	11	0.64
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	11	0.64
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	12	0.64
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	12	0.64
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	12	0.64
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	15	0.64
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	15	0.64
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	15	0.64
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	15	0.64
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	20	0.64
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	3	0.64
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	4	0.64
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	5	0.64
(1,1681)	1:437:A:ARG:HB2	1:437:A:ARG:H	17	0.64
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	5	0.64
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	15	0.64
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	10	0.64
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	19	0.64
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	8	0.64
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	1	0.64
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	12	0.64
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	13	0.64
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	19	0.64
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	9	0.64
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	14	0.64
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	19	0.64
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	16	0.64
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG21	11	0.64
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG22	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:418:A:VAL:HA	1:418:A:VAL:HG23	11	0.64
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	4	0.64
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	4	0.64
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	4	0.64
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	12	0.64
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	12	0.64
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	12	0.64
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	14	0.64
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	14	0.64
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	14	0.64
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	19	0.64
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	16	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	2	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	3	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	4	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	6	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	9	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	10	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	11	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	13	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	14	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	15	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	17	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	18	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	19	0.64
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	20	0.64
(1,739)	1:422:A:ASP:HA	1:422:A:ASP:HB3	14	0.64
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	2	0.64
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	3	0.64
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	5	0.64
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	7	0.64
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	10	0.64
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	11	0.64
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	12	0.64
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	16	0.64
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	17	0.64
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	3	0.64
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	4	0.64
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	9	0.64
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	10	0.64
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	13	0.64
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	11	0.64
(1,410)	1:462:A:PRO:HB2	1:461:A:THR:HA	1	0.64
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	4	0.64
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	5	0.64
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	11	0.64
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	13	0.64
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	17	0.64
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	18	0.64
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	20	0.64
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	19	0.64
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	19	0.64
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	19	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	1	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	2	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	3	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	4	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	5	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	6	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	7	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	8	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	9	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	10	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	11	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	12	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	13	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	14	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	15	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	16	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	17	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	18	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	19	0.64
(1,307)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	20	0.64
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	1	0.64
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	2	0.64
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	12	0.64
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	13	0.64
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	7	0.64
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	11	0.64
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	18	0.64
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	19	0.64
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	13	0.64
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	15	0.64
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	2	0.64
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	9	0.64
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	12	0.64
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	13	0.64
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	18	0.64
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	3	0.64
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	3	0.64
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	3	0.64
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	15	0.64
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	15	0.64
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	15	0.64
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	5	0.64
(1,177)	1:349:A:LEU:HD11	1:370:A:SER:HG	13	0.64
(1,177)	1:349:A:LEU:HD12	1:370:A:SER:HG	13	0.64
(1,177)	1:349:A:LEU:HD13	1:370:A:SER:HG	13	0.64
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	2	0.64
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	9	0.64
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	20	0.64
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	20	0.64
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	20	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	3	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	3	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	3	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	5	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	5	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	5	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	13	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	13	0.64
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	13	0.64
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	4	0.64
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	16	0.64
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	18	0.64
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	8	0.63
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	15	0.63
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	1	0.63
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	2	0.63
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	3	0.63
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	14	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	2	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	2	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	2	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	6	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	6	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	6	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	10	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	10	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	10	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	14	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	14	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	14	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	15	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	15	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	15	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	17	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	17	0.63
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	17	0.63
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	7	0.63
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	4	0.63
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	6	0.63
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	18	0.63
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	18	0.63
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	18	0.63
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	11	0.63
(1,3760)	1:451:A:LYS:H	1:451:A:LYS:HG2	14	0.63
(1,3759)	1:464:A:LEU:H	1:346:A:GLU:HA	1	0.63
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	15	0.63
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	10	0.63
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	17	0.63
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	17	0.63
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	18	0.63
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	9	0.63
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	9	0.63
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	9	0.63
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	10	0.63
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	10	0.63
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	10	0.63
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	18	0.63
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	18	0.63
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	18	0.63
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	5	0.63
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	6	0.63
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	7	0.63
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	13	0.63
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	17	0.63
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	20	0.63
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	2	0.63
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	11	0.63
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	13	0.63
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	18	0.63
(1,3528)	1:448:A:SER:H	1:449:A:VAL:H	2	0.63
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	12	0.63
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	13	0.63
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	19	0.63
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	13	0.63
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	12	0.63
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	3	0.63
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	3	0.63
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	10	0.63
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	10	0.63
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	19	0.63
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	19	0.63
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	19	0.63
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	19	0.63
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	19	0.63
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	19	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	2	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	2	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	2	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	2	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	2	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	2	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	4	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	4	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	4	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	4	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	4	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	4	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	9	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	9	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	9	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	9	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	9	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	9	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	12	0.63
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	12	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	12	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	12	0.63
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	12	0.63
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	1	0.63
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	5	0.63
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	8	0.63
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	10	0.63
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	18	0.63
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	3	0.63
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	3	0.63
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	3	0.63
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	7	0.63
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	7	0.63
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	7	0.63
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	14	0.63
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	14	0.63
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	14	0.63
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	6	0.63
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	16	0.63
(1,2984)	1:346:A:GLU:HB3	1:346:A:GLU:HG3	11	0.63
(1,2984)	1:346:A:GLU:HB3	1:346:A:GLU:HG3	12	0.63
(1,2984)	1:346:A:GLU:HB3	1:346:A:GLU:HG3	19	0.63
(1,2984)	1:346:A:GLU:HB3	1:346:A:GLU:HG3	20	0.63
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	6	0.63
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	13	0.63
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	17	0.63
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	4	0.63
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	3	0.63
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	11	0.63
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	14	0.63
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	4	0.63
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	3	0.63
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	9	0.63
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	17	0.63
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	9	0.63
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	14	0.63
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	11	0.63
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	19	0.63
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	15	0.63
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	2	0.63
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	14	0.63
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	4	0.63
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	14	0.63
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	15	0.63
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	16	0.63
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	18	0.63
(1,2403)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	20	0.63
(1,2394)	1:457:A:VAL:HG11	1:344:A:TYR:H	19	0.63
(1,2394)	1:457:A:VAL:HG12	1:344:A:TYR:H	19	0.63
(1,2394)	1:457:A:VAL:HG13	1:344:A:TYR:H	19	0.63
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	8	0.63
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	2	0.63
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	13	0.63
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	8	0.63
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	9	0.63
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	15	0.63
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	16	0.63
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	17	0.63
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	18	0.63
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	9	0.63
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	9	0.63
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	9	0.63
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	10	0.63
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	10	0.63
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	10	0.63
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	10	0.63
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	19	0.63
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	3	0.63
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	5	0.63
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	8	0.63
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	10	0.63
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	19	0.63
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	19	0.63
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	19	0.63
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	1	0.63
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	1	0.63
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	1	0.63
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	3	0.63
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	3	0.63
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	3	0.63
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	11	0.63
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	11	0.63
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	18	0.63
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	18	0.63
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	18	0.63
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	7	0.63
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	5	0.63
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	5	0.63
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	5	0.63
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	17	0.63
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	17	0.63
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	17	0.63
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	18	0.63
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	18	0.63
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	18	0.63
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	13	0.63
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	16	0.63
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	18	0.63
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	4	0.63
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	2	0.63
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	3	0.63
(1,2069)	1:435:A:LYS:HB2	1:436:A:THR:HA	9	0.63
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	6	0.63
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	6	0.63
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	6	0.63
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	9	0.63
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	9	0.63
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	9	0.63
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	17	0.63
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	17	0.63
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	17	0.63
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	9	0.63
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	1	0.63
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	3	0.63
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	7	0.63
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	8	0.63
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	11	0.63
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	18	0.63
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	19	0.63
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	20	0.63
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	6	0.63
(1,1843)	1:413:A:ILE:HD11	1:414:A:ASP:H	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1843)	1:413:A:ILE:HD12	1:414:A:ASP:H	15	0.63
(1,1843)	1:413:A:ILE:HD13	1:414:A:ASP:H	15	0.63
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	12	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	1	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	1	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	1	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	2	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	2	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	2	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	4	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	4	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	4	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	5	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	5	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	5	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	7	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	7	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	7	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	8	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	8	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	8	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	10	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	10	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	10	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	13	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	13	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	13	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	16	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	16	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	16	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	17	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	17	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	17	0.63
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	20	0.63
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	20	0.63
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	20	0.63
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	14	0.63
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	3	0.63
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	15	0.63
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	20	0.63
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	20	0.63
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	20	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	2	0.63
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	4	0.63
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	15	0.63
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	5	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	2	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	3	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	4	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	5	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	6	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	7	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	8	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	9	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	11	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	16	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	18	0.63
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	20	0.63
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	13	0.63
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	5	0.63
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	6	0.63
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	8	0.63
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	13	0.63
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	15	0.63
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	17	0.63
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	20	0.63
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	9	0.63
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	4	0.63
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	1	0.63
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	4	0.63
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	6	0.63
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	7	0.63
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	8	0.63
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	11	0.63
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	13	0.63
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	14	0.63
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	17	0.63
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	18	0.63
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	5	0.63
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	8	0.63
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	15	0.63
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	1	0.63
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	1	0.63
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	6	0.63
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	6	0.63
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	6	0.63
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	10	0.63
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	10	0.63
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	10	0.63
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	13	0.63
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	13	0.63
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	13	0.63
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	17	0.63
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	17	0.63
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	17	0.63
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	19	0.63
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	19	0.63
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	19	0.63
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	16	0.63
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	12	0.63
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	17	0.63
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	5	0.63
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	12	0.63
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	16	0.63
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	9	0.63
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	11	0.63
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	12	0.63
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	4	0.63
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	6	0.63
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	8	0.63
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	14	0.63
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	15	0.63
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	18	0.63
(1,721)	1:425:A:TRP:HB3	1:425:A:TRP:HA	20	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	1	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	2	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	3	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	4	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	5	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	6	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	7	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	8	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	9	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	10	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	12	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	13	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	14	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	15	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	16	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	17	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	18	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	19	0.63
(1,714)	1:394:A:LYS:HB2	1:394:A:LYS:HB3	20	0.63
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	9	0.63
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	10	0.63
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	2	0.63
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	6	0.63
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	14	0.63
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	16	0.63
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	18	0.63
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	19	0.63
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	4	0.63
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	4	0.63
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	4	0.63
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	18	0.63
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	17	0.63
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	1	0.63
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	6	0.63
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	9	0.63
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	14	0.63
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	16	0.63
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	16	0.63
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	16	0.63
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	6	0.63
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	9	0.63
(1,252)	1:453:A:LEU:HB2	1:454:A:PHE:H	11	0.63
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	9	0.63
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	16	0.63
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	17	0.63
(1,237)	1:367:A:ASP:HB2	1:368:A:ILE:H	14	0.63
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	12	0.63
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	13	0.63
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	19	0.63
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	3	0.63
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	4	0.63
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	8	0.63
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	10	0.63
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	14	0.63
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	11	0.63
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	11	0.63
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	11	0.63
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	13	0.63
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	13	0.63
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	13	0.63
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	16	0.63
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	16	0.63
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	16	0.63
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	17	0.63
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	17	0.63
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	17	0.63
(1,176)	1:459:A:LYS:HD3	1:459:A:LYS:H	18	0.63
(1,156)	1:423:A:SER:HA	1:423:A:SER:H	14	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	1	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	3	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	4	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	5	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	6	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	7	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	8	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	10	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	11	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	12	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	13	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	14	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	15	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	16	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	17	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	18	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	19	0.63
(1,118)	1:446:A:PRO:HB2	1:446:A:PRO:HG3	20	0.63
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	13	0.63
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	13	0.63
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	13	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	2	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	2	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	2	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	10	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	10	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	15	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	15	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	15	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	17	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	17	0.63
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	17	0.63
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	1	0.63
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	2	0.63
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	8	0.63
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	10	0.63
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	11	0.63
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	13	0.63
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	14	0.63
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	15	0.63
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	20	0.63
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	3	0.62
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	7	0.62
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	1	0.62
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	9	0.62
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	9	0.62
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	13	0.62
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG11	19	0.62
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG12	19	0.62
(1,3988)	1:349:A:LEU:H	1:465:A:VAL:HG13	19	0.62
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	1	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	4	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	4	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	4	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	7	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	7	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	7	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	8	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	8	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	8	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG11	16	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG12	16	0.62
(1,3966)	1:384:A:VAL:H	1:384:A:VAL:HG13	16	0.62
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	14	0.62
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	18	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	6	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	6	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	8	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	8	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	8	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	10	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	10	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	10	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	11	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	11	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	11	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	17	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	17	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	17	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	20	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	20	0.62
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	20	0.62
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	7	0.62
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	20	0.62
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	4	0.62
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	8	0.62
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	9	0.62
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	11	0.62
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	12	0.62
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	18	0.62
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	20	0.62
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	1	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	2	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	2	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	2	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	3	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	3	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	3	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	5	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	5	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	5	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	7	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	7	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	7	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	11	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	11	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	12	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	12	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	12	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	15	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	15	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	15	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	17	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	17	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	17	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	19	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	19	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	19	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	20	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	20	0.62
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	20	0.62
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	9	0.62
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	9	0.62
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	9	0.62
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	1	0.62
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	2	0.62
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	3	0.62
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	4	0.62
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	10	0.62
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	11	0.62
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	14	0.62
(1,3626)	1:393:A:LEU:H	1:392:A:THR:HA	18	0.62
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	14	0.62
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	16	0.62
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	16	0.62
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	4	0.62
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	6	0.62
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	15	0.62
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	14	0.62
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	14	0.62
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	16	0.62
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	16	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	1	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	1	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	1	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	1	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	2	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	2	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	2	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	3	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	3	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	3	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	3	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	4	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	4	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	4	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	4	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	5	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	5	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	5	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	5	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	6	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	6	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	6	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	6	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	7	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	7	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	7	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	7	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	8	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	8	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	8	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	8	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	9	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	9	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	9	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	9	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	10	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	10	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	10	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	10	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	11	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	11	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	11	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	11	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	12	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	12	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	12	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	12	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	13	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	13	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	13	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	13	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	14	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	14	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	14	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	14	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	15	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	15	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	15	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	15	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	16	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	16	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	16	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	16	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	17	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	17	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	17	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	17	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	18	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	18	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	18	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	18	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	20	0.62
(1,3298)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	20	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	20	0.62
(1,3298)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	20	0.62
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	3	0.62
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	3	0.62
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	3	0.62
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	3	0.62
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	3	0.62
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	3	0.62
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	10	0.62
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	10	0.62
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	10	0.62
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	10	0.62
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	10	0.62
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	10	0.62
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	3	0.62
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	12	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	17	0.62
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	17	0.62
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	17	0.62
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	17	0.62
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	6	0.62
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	8	0.62
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	9	0.62
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	18	0.62
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	2	0.62
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	14	0.62
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	3	0.62
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	4	0.62
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	10	0.62
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	16	0.62
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	2	0.62
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	8	0.62
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	12	0.62
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	20	0.62
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	14	0.62
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	15	0.62
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	17	0.62
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	4	0.62
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	19	0.62
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	8	0.62
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	14	0.62
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	14	0.62
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	12	0.62
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	6	0.62
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	11	0.62
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	12	0.62
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	14	0.62
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	15	0.62
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	16	0.62
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	17	0.62
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	20	0.62
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	3	0.62
(1,2741)	1:435:A:LYS:HB3	1:436:A:THR:HA	7	0.62
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	5	0.62
(1,2664)	1:358:A:LYS:HA	1:358:A:LYS:HG3	20	0.62
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	19	0.62
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	19	0.62
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	1	0.62
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	8	0.62
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	14	0.62
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	5	0.62
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	12	0.62
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	16	0.62
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	17	0.62
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	20	0.62
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	11	0.62
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	6	0.62
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	17	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	1	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	1	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	1	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	2	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	2	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	2	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	5	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	5	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	5	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	7	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	7	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	7	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	12	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	12	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	12	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	18	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	18	0.62
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	18	0.62
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	14	0.62
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	11	0.62
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	19	0.62
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	3	0.62
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	9	0.62
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	5	0.62
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	5	0.62
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	5	0.62
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	8	0.62
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	8	0.62
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	8	0.62
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	13	0.62
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	13	0.62
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	9	0.62
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	14	0.62
(1,2428)	1:356:A:TYR:HA	1:346:A:GLU:H	15	0.62
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	9	0.62
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	12	0.62
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	19	0.62
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	2	0.62
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	2	0.62
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	2	0.62
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	5	0.62
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	5	0.62
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	5	0.62
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	15	0.62
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	15	0.62
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	15	0.62
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	10	0.62
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	14	0.62
(1,2287)	1:450:A:MET:HB3	1:450:A:MET:H	19	0.62
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	3	0.62
(1,2260)	1:425:A:TRP:HB3	1:425:A:TRP:H	17	0.62
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	2	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	2	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	2	0.62
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	3	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	3	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	3	0.62
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	5	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	5	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	5	0.62
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	7	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	7	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	7	0.62
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	11	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	11	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	11	0.62
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	12	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	12	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	12	0.62
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	15	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	15	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	17	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	17	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	17	0.62
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	19	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	19	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	19	0.62
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	20	0.62
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	20	0.62
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	20	0.62
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	14	0.62
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	20	0.62
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	1	0.62
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	2	0.62
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	7	0.62
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	9	0.62
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	13	0.62
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	15	0.62
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	12	0.62
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	12	0.62
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	12	0.62
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	3	0.62
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	3	0.62
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	3	0.62
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	3	0.62
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	7	0.62
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	14	0.62
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	7	0.62
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	3	0.62
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	3	0.62
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	3	0.62
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	8	0.62
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	8	0.62
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	8	0.62
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	10	0.62
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	10	0.62
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	10	0.62
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	11	0.62
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	11	0.62
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	11	0.62
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	12	0.62
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	12	0.62
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	12	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	15	0.62
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	15	0.62
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	15	0.62
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	12	0.62
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	12	0.62
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	12	0.62
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	5	0.62
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	6	0.62
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	9	0.62
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	10	0.62
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	12	0.62
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	16	0.62
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	17	0.62
(1,1884)	1:387:A:LYS:HD3	1:387:A:LYS:HB2	15	0.62
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	11	0.62
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	11	0.62
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	11	0.62
(1,1852)	1:374:A:THR:HG21	1:374:A:THR:H	14	0.62
(1,1852)	1:374:A:THR:HG22	1:374:A:THR:H	14	0.62
(1,1852)	1:374:A:THR:HG23	1:374:A:THR:H	14	0.62
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	7	0.62
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	7	0.62
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	7	0.62
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	10	0.62
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	10	0.62
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	10	0.62
(1,1731)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	20	0.62
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	19	0.62
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	19	0.62
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	19	0.62
(1,1644)	1:341:A:GLU:HB3	1:342:A:ASP:H	2	0.62
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	9	0.62
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	18	0.62
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	7	0.62
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	18	0.62
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	7	0.62
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	20	0.62
(1,1374)	1:464:A:LEU:HB3	1:464:A:LEU:HA	6	0.62
(1,1317)	1:389:A:GLU:HB2	1:390:A:ASP:HA	15	0.62
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	2	0.62
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	11	0.62
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	17	0.62
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	2	0.62
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	3	0.62
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	4	0.62
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	5	0.62
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	7	0.62
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	9	0.62
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	10	0.62
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	12	0.62
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	14	0.62
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	19	0.62
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	20	0.62
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	2	0.62
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	3	0.62
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	9	0.62
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	10	0.62
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	12	0.62
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	16	0.62
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	7	0.62
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	13	0.62
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	2	0.62
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	2	0.62
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	2	0.62
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	3	0.62
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	3	0.62
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	3	0.62
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	5	0.62
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	5	0.62
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	5	0.62
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	8	0.62
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	8	0.62
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	8	0.62
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	11	0.62
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	11	0.62
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	11	0.62
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	15	0.62
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	15	0.62
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	15	0.62
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	16	0.62
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	16	0.62
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	16	0.62
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	18	0.62
(1,795)	1:447:A:PRO:HA	1:448:A:SER:HB2	2	0.62
(1,753)	1:352:A:GLN:HA	1:352:A:GLN:H	1	0.62
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	1	0.62
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	19	0.62
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	19	0.62
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	19	0.62
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	19	0.62
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	1	0.62
(1,573)	1:374:A:THR:HA	1:373:A:PRO:HA	11	0.62
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	13	0.62
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	2	0.62
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	2	0.62
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	2	0.62
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	14	0.62
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	14	0.62
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	14	0.62
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	18	0.62
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	4	0.62
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	2	0.62
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	15	0.62
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	1	0.62
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	6	0.62
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	14	0.62
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	16	0.62
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	2	0.62
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	2	0.62
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	2	0.62
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	19	0.62
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	19	0.62
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	19	0.62
(1,182)	1:346:A:GLU:HA	1:346:A:GLU:HG3	14	0.62
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	1	0.62
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	1	0.62
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	1	0.62
(1,101)	1:459:A:LYS:HG2	1:459:A:LYS:H	5	0.62
(1,101)	1:459:A:LYS:HG2	1:459:A:LYS:H	11	0.62
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	4	0.62
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	4	0.62
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	4	0.62
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	1	0.62
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	1	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	1	0.62
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	3	0.62
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	5	0.62
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	6	0.62
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	7	0.62
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	9	0.62
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	12	0.62
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	17	0.62
(1,22)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	19	0.62
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	8	0.61
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	16	0.61
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	4	0.61
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	13	0.61
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	18	0.61
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	20	0.61
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	19	0.61
(1,3972)	1:417:A:GLY:H	1:416:A:THR:H	20	0.61
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	9	0.61
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	13	0.61
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	16	0.61
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	14	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	1	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	1	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	1	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	4	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	4	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	4	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	7	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	7	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	7	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	12	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	12	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	12	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	14	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	14	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	14	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	15	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	15	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	15	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	16	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	16	0.61
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	16	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	10	0.61
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	18	0.61
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	19	0.61
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	19	0.61
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	10	0.61
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	3	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	4	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	4	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	4	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	6	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	6	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	6	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	8	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	8	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	8	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	13	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	13	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	13	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	14	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	14	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	14	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG11	16	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG12	16	0.61
(1,3675)	1:457:A:VAL:H	1:457:A:VAL:HG13	16	0.61
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	19	0.61
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	9	0.61
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	18	0.61
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	18	0.61
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	20	0.61
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	20	0.61
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	6	0.61
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	6	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	1	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	1	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	1	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	1	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	1	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	1	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	6	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	6	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	6	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	6	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	6	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	15	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	15	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	15	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	15	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	15	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	15	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	19	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	19	0.61
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	19	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	19	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	19	0.61
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	19	0.61
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	10	0.61
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	10	0.61
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	14	0.61
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	19	0.61
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	14	0.61
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	14	0.61
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	14	0.61
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	4	0.61
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	12	0.61
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	19	0.61
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	9	0.61
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	1	0.61
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	1	0.61
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	9	0.61
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	1	0.61
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	7	0.61
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	12	0.61
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	14	0.61
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	17	0.61
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	16	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	1	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	2	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	5	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	6	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	8	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	9	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	10	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	15	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	16	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	17	0.61
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	18	0.61
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	1	0.61
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	15	0.61
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	20	0.61
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	2	0.61
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	7	0.61
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	9	0.61
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	13	0.61
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	5	0.61
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	2	0.61
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	6	0.61
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	8	0.61
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	11	0.61
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	12	0.61
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	14	0.61
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	15	0.61
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	20	0.61
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	8	0.61
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	11	0.61
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	4	0.61
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	10	0.61
(1,2568)	1:459:A:LYS:HE3	1:459:A:LYS:HG2	6	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	1	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	2	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	3	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	4	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	6	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	7	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	8	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	9	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	10	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	13	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	14	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	15	0.61
(1,2547)	1:347:A:VAL:HB	1:347:A:VAL:HA	18	0.61
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	1	0.61
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	12	0.61
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	20	0.61
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	2	0.61
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	8	0.61
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	20	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	3	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	3	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	3	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	4	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	4	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	4	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	6	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	6	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	6	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	8	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	8	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	8	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	9	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	9	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	9	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	10	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	10	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	10	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	11	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	11	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	11	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	13	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	13	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	13	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	14	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	14	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	14	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	15	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	15	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	15	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	16	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	16	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	16	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	17	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	17	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	17	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	19	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	19	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD11	20	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD12	20	0.61
(1,2508)	1:453:A:LEU:HG	1:453:A:LEU:HD13	20	0.61
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	3	0.61
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	8	0.61
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	11	0.61
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	15	0.61
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	20	0.61
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	20	0.61
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	1	0.61
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	8	0.61
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	12	0.61
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	13	0.61
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	16	0.61
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	17	0.61
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	19	0.61
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	20	0.61
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	19	0.61
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	19	0.61
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	19	0.61
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	7	0.61
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	7	0.61
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	7	0.61
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	16	0.61
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	19	0.61
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	10	0.61
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	17	0.61
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	15	0.61
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	1	0.61
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	1	0.61
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	1	0.61
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	3	0.61
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	3	0.61
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	3	0.61
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	6	0.61
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	6	0.61
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	6	0.61
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	13	0.61
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	13	0.61
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	13	0.61
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	4	0.61
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	4	0.61
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	6	0.61
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	6	0.61
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	6	0.61
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	8	0.61
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	8	0.61
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	8	0.61
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	13	0.61
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	13	0.61
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	13	0.61
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	14	0.61
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	14	0.61
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	14	0.61
(1,2242)	1:457:A:VAL:HG11	1:457:A:VAL:H	16	0.61
(1,2242)	1:457:A:VAL:HG12	1:457:A:VAL:H	16	0.61
(1,2242)	1:457:A:VAL:HG13	1:457:A:VAL:H	16	0.61
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	3	0.61
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	9	0.61
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	11	0.61
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	12	0.61
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	13	0.61
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	16	0.61
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	18	0.61
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	4	0.61
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	4	0.61
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	4	0.61
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	4	0.61
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	13	0.61
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	13	0.61
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	13	0.61
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	19	0.61
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	19	0.61
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	19	0.61
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	12	0.61
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	12	0.61
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	12	0.61
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	5	0.61
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	12	0.61
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	15	0.61
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	13	0.61
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	14	0.61
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	2	0.61
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	9	0.61
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	10	0.61
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	13	0.61
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	16	0.61
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	19	0.61
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	20	0.61
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	13	0.61
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	14	0.61
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	18	0.61
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	18	0.61
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	4	0.61
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	4	0.61
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	4	0.61
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	14	0.61
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	14	0.61
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	14	0.61
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	15	0.61
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	16	0.61
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	14	0.61
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	1	0.61
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	1	0.61
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	1	0.61
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	4	0.61
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	13	0.61
(1,1891)	1:435:A:LYS:HG3	1:435:A:LYS:HA	14	0.61
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	2	0.61
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	2	0.61
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	2	0.61
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	4	0.61
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	4	0.61
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	4	0.61
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	13	0.61
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	13	0.61
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	13	0.61
(1,1781)	1:424:A:ASP:HB3	1:424:A:ASP:H	18	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	1	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	2	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	3	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	4	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	5	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	7	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	8	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	9	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	10	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	11	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	12	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	13	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	14	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	15	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	16	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	17	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	18	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	19	0.61
(1,1765)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	20	0.61
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	16	0.61
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	11	0.61
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	13	0.61
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	16	0.61
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	9	0.61
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	9	0.61
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	9	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	9	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	9	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	9	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	10	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	10	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	10	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	11	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	11	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	11	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	15	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	15	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	15	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	17	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	17	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	17	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	18	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	18	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	18	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	20	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	20	0.61
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	6	0.61
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	7	0.61
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	13	0.61
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	1	0.61
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	3	0.61
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	16	0.61
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	19	0.61
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	19	0.61
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	19	0.61
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	4	0.61
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	10	0.61
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	20	0.61
(1,1160)	1:361:A:LYS:HD2	1:361:A:LYS:HA	10	0.61
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	1	0.61
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	3	0.61
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	10	0.61
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	16	0.61
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	1	0.61
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	2	0.61
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	3	0.61
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	6	0.61
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	8	0.61
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	11	0.61
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	13	0.61
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	15	0.61
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	16	0.61
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	17	0.61
(1,940)	1:358:A:LYS:HB2	1:358:A:LYS:HA	15	0.61
(1,938)	1:382:A:PHE:HB3	1:381:A:VAL:HA	20	0.61
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	12	0.61
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	12	0.61
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	12	0.61
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	18	0.61
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	18	0.61
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	18	0.61
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	2	0.61
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	17	0.61
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	13	0.61
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	1	0.61
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	5	0.61
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	8	0.61
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	14	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	11	0.61
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	12	0.61
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	16	0.61
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	17	0.61
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	20	0.61
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	20	0.61
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	20	0.61
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	20	0.61
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	3	0.61
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	10	0.61
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	19	0.61
(1,383)	1:365:A:GLU:HB2	1:365:A:GLU:HG3	7	0.61
(1,353)	1:368:A:ILE:HD11	1:352:A:GLN:HA	1	0.61
(1,353)	1:368:A:ILE:HD12	1:352:A:GLN:HA	1	0.61
(1,353)	1:368:A:ILE:HD13	1:352:A:GLN:HA	1	0.61
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	16	0.61
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	16	0.61
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	16	0.61
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	16	0.61
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	16	0.61
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	16	0.61
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	8	0.61
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	8	0.61
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	8	0.61
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	10	0.61
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	10	0.61
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	10	0.61
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	18	0.61
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	18	0.61
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	18	0.61
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	8	0.61
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	8	0.61
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	8	0.61
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	11	0.61
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	11	0.61
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	11	0.61
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	12	0.61
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	12	0.61
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	12	0.61
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	16	0.61
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	16	0.61
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	16	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD11	19	0.6
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD12	19	0.6
(1,4214)	1:419:A:GLY:H	1:413:A:ILE:HD13	19	0.6
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	6	0.6
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	15	0.6
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	18	0.6
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	4	0.6
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	5	0.6
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	7	0.6
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	14	0.6
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	17	0.6
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	2	0.6
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	9	0.6
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	11	0.6
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	14	0.6
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	20	0.6
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	1	0.6
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	4	0.6
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	8	0.6
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	16	0.6
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	4	0.6
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	6	0.6
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	15	0.6
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	17	0.6
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	5	0.6
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	14	0.6
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	18	0.6
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	14	0.6
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	4	0.6
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	5	0.6
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	12	0.6
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	15	0.6
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	17	0.6
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	12	0.6
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	12	0.6
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	12	0.6
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	20	0.6
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	20	0.6
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	20	0.6
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	19	0.6
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	2	0.6
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	2	0.6
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	13	0.6
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	13	0.6
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	13	0.6
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	5	0.6
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	8	0.6
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	13	0.6
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	15	0.6
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	4	0.6
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	5	0.6
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	7	0.6
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	18	0.6
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD21	7	0.6
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD22	7	0.6
(1,3656)	1:429:A:TYR:H	1:433:A:LEU:HD23	7	0.6
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	1	0.6
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	6	0.6
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	16	0.6
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	8	0.6
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	18	0.6
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	14	0.6
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	14	0.6
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	14	0.6
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	14	0.6
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	14	0.6
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	14	0.6
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	8	0.6
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	10	0.6
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	20	0.6
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	12	0.6
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	12	0.6
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	9	0.6
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	9	0.6
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	12	0.6
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	12	0.6
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	13	0.6
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	13	0.6
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	18	0.6
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	18	0.6
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	18	0.6
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	18	0.6
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	18	0.6
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	20	0.6
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	20	0.6
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	20	0.6
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	20	0.6
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	20	0.6
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	20	0.6
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	6	0.6
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	6	0.6
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	19	0.6
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	19	0.6
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	19	0.6
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	20	0.6
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	20	0.6
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	20	0.6
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	15	0.6
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	7	0.6
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	7	0.6
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	7	0.6
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	9	0.6
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	9	0.6
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	9	0.6
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	11	0.6
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	11	0.6
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	11	0.6
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	15	0.6
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	15	0.6
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	15	0.6
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	1	0.6
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	1	0.6
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	1	0.6
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	2	0.6
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	2	0.6
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	2	0.6
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	13	0.6
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	13	0.6
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	13	0.6
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	11	0.6
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	20	0.6
(1,3001)	1:393:A:LEU:HB3	1:393:A:LEU:H	10	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	1	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	1	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	2	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	2	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	2	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	4	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	4	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	4	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	5	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	5	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	5	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	6	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	6	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	6	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	7	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	7	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	7	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	8	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	8	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	8	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	13	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	13	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	13	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	14	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	14	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	14	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	16	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	16	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	16	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	18	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	18	0.6
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	18	0.6
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	12	0.6
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	13	0.6
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	13	0.6
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	8	0.6
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	15	0.6
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	18	0.6
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	9	0.6
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	10	0.6
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	15	0.6
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	6	0.6
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	3	0.6
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	7	0.6
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	13	0.6
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	14	0.6
(1,2920)	1:378:A:PRO:HB3	1:378:A:PRO:HA	20	0.6
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	11	0.6
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	19	0.6
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	19	0.6
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	19	0.6
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	1	0.6
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	3	0.6
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	5	0.6
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	8	0.6
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	10	0.6
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	19	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	1	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	3	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	4	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	5	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	7	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	9	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	10	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	13	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	16	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	17	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	18	0.6
(1,2725)	1:435:A:LYS:HD2	1:435:A:LYS:HG2	19	0.6
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	8	0.6
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	2	0.6
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	6	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	1	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	2	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	3	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	5	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	6	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	8	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	9	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	10	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	11	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	12	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	14	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	17	0.6
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	18	0.6
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	19	0.6
(1,2560)	1:433:A:LEU:HB3	1:433:A:LEU:HA	9	0.6
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	13	0.6
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	18	0.6
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	5	0.6
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	11	0.6
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	12	0.6
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	14	0.6
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	2	0.6
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	4	0.6
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	7	0.6
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	9	0.6
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	12	0.6
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	10	0.6
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	2	0.6
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	5	0.6
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	6	0.6
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	7	0.6
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	15	0.6
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	11	0.6
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	11	0.6
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	11	0.6
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	15	0.6
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	15	0.6
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	15	0.6
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	17	0.6
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	17	0.6
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	17	0.6
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	3	0.6
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	10	0.6
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	8	0.6
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	15	0.6
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	19	0.6
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	5	0.6
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	5	0.6
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	5	0.6
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	5	0.6
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	6	0.6
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	6	0.6
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	5	0.6
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	5	0.6
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	5	0.6
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	15	0.6
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	15	0.6
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	15	0.6
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	3	0.6
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	4	0.6
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	13	0.6
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	4	0.6
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	4	0.6
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	4	0.6
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	7	0.6
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	7	0.6
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	7	0.6
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	8	0.6
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	8	0.6
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	8	0.6
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	9	0.6
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	9	0.6
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	9	0.6
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	14	0.6
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	14	0.6
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	14	0.6
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	18	0.6
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	18	0.6
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	18	0.6
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	19	0.6
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	19	0.6
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	19	0.6
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	6	0.6
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	9	0.6
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	11	0.6
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	6	0.6
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	15	0.6
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	18	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	2	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	2	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	2	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	6	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	6	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	8	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	8	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	8	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	15	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	15	0.6
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	15	0.6
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	7	0.6
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	7	0.6
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	7	0.6
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	20	0.6
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	20	0.6
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	20	0.6
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	1	0.6
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	1	0.6
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	1	0.6
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	6	0.6
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	6	0.6
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	6	0.6
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	15	0.6
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	15	0.6
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	15	0.6
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	8	0.6
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	19	0.6
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	1	0.6
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	2	0.6
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	3	0.6
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	6	0.6
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	8	0.6
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	9	0.6
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	10	0.6
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	11	0.6
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	16	0.6
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	17	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	1	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	3	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	4	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	5	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	6	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	7	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	8	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	11	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	14	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	15	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	17	0.6
(1,2110)	1:360:A:GLY:HA2	1:360:A:GLY:H	18	0.6
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	19	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	1	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	4	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	5	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	6	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	8	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	9	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	10	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	11	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	12	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	15	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	16	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	17	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	19	0.6
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	20	0.6
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	5	0.6
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	5	0.6
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	5	0.6
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	19	0.6
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	19	0.6
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	19	0.6
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	8	0.6
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	18	0.6
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	11	0.6
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	11	0.6
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	11	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	3	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	3	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	3	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	9	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	9	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	9	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	14	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	14	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	14	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	15	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	15	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	16	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	16	0.6
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	16	0.6
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	1	0.6
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	3	0.6
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	4	0.6
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	7	0.6
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	13	0.6
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	5	0.6
(1,1697)	1:457:A:VAL:HG11	1:453:A:LEU:HG	18	0.6
(1,1697)	1:457:A:VAL:HG12	1:453:A:LEU:HG	18	0.6
(1,1697)	1:457:A:VAL:HG13	1:453:A:LEU:HG	18	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	1	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	1	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	1	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	2	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	2	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	2	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	3	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	3	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	3	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	4	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	4	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	4	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	5	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	5	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	5	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	6	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	6	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	6	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	7	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	7	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	7	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	8	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	8	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	8	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	12	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	12	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	12	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	13	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	13	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	13	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	14	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	14	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	14	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	16	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	16	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	16	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG21	19	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG22	19	0.6
(1,1580)	1:368:A:ILE:HB	1:368:A:ILE:HG23	19	0.6
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	1	0.6
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	2	0.6
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	4	0.6
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	8	0.6
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	10	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	2	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	5	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	10	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	11	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	12	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	13	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	15	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	17	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	18	0.6
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	20	0.6
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	9	0.6
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	14	0.6
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	17	0.6
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	7	0.6
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	18	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	2	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	3	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	4	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	5	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	9	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	12	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	13	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	15	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	16	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	17	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	18	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	19	0.6
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	13	0.6
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	14	0.6
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	16	0.6
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	10	0.6
(1,995)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	18	0.6
(1,902)	1:428:A:GLU:HB2	1:428:A:GLU:H	18	0.6
(1,893)	1:343:A:THR:HG21	1:342:A:ASP:HA	9	0.6
(1,893)	1:343:A:THR:HG22	1:342:A:ASP:HA	9	0.6
(1,893)	1:343:A:THR:HG23	1:342:A:ASP:HA	9	0.6
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	8	0.6
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	16	0.6
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	18	0.6
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	3	0.6
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	16	0.6
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	18	0.6
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	2	0.6
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	3	0.6
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	14	0.6
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	17	0.6
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	17	0.6
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	17	0.6
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	17	0.6
(1,641)	1:365:A:GLU:HG3	1:365:A:GLU:HA	19	0.6
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	1	0.6
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	4	0.6
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	6	0.6
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	7	0.6
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	8	0.6
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	11	0.6
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	12	0.6
(1,557)	1:346:A:GLU:HG2	1:346:A:GLU:HB2	6	0.6
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	7	0.6
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	8	0.6
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	8	0.6
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	8	0.6
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	8	0.6
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	10	0.6
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	10	0.6
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	10	0.6
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	19	0.6
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	19	0.6
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	17	0.6
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	17	0.6
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	17	0.6
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	17	0.6
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	17	0.6
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	17	0.6
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	13	0.6
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	8	0.6
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	18	0.6
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	12	0.6
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	12	0.6
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	12	0.6
(1,195)	1:407:A:VAL:HG21	1:410:A:TRP:H	20	0.6
(1,195)	1:407:A:VAL:HG22	1:410:A:TRP:H	20	0.6
(1,195)	1:407:A:VAL:HG23	1:410:A:TRP:H	20	0.6
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	10	0.6
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	10	0.6
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	10	0.6
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	19	0.6
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	19	0.6
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	19	0.6
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	11	0.6
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	11	0.6
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	11	0.6
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	4	0.6
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	5	0.6
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	10	0.6
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	11	0.6
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	13	0.6
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	20	0.6
(1,101)	1:459:A:LYS:HG2	1:459:A:LYS:H	10	0.6
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	3	0.6
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	3	0.6
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	3	0.6
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	7	0.6
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	7	0.6
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	7	0.6
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	11	0.6
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	11	0.6
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	11	0.6
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	17	0.6
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	17	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	17	0.6
(1,56)	1:435:A:LYS:HA	1:372:A:LYS:HA	9	0.6
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	20	0.59
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	10	0.59
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	16	0.59
(1,4140)	1:386:A:ASN:H	1:385:A:TRP:H	19	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	1	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	2	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	3	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	6	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	9	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	10	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	11	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	12	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	13	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	15	0.59
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	18	0.59
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	3	0.59
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	7	0.59
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	8	0.59
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	10	0.59
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	13	0.59
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	15	0.59
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	4	0.59
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	5	0.59
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	6	0.59
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	7	0.59
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	12	0.59
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	13	0.59
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	15	0.59
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	17	0.59
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	18	0.59
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	2	0.59
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	3	0.59
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	10	0.59
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	12	0.59
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	5	0.59
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	7	0.59
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	16	0.59
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	3	0.59
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	4	0.59
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	8	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	9	0.59
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	15	0.59
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	10	0.59
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	11	0.59
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	16	0.59
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	17	0.59
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	20	0.59
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	6	0.59
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	5	0.59
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	5	0.59
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	5	0.59
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	13	0.59
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	13	0.59
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	13	0.59
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	9	0.59
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	12	0.59
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD11	9	0.59
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD12	9	0.59
(1,3779)	1:345:A:ILE:H	1:345:A:ILE:HD13	9	0.59
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	1	0.59
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	2	0.59
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	7	0.59
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	1	0.59
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	2	0.59
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	8	0.59
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	19	0.59
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	3	0.59
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	12	0.59
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	13	0.59
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	2	0.59
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	4	0.59
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	1	0.59
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	6	0.59
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	10	0.59
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	19	0.59
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	19	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	1	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	1	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	1	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	1	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	1	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	2	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	2	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	2	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	2	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	2	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	2	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	11	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	11	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	11	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	11	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	11	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	11	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	15	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	15	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	15	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	15	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	15	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	15	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	18	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	18	0.59
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	18	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	18	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	18	0.59
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	18	0.59
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	1	0.59
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	1	0.59
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	11	0.59
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	11	0.59
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	3	0.59
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	2	0.59
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	2	0.59
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	15	0.59
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	15	0.59
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	1	0.59
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	1	0.59
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	2	0.59
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	2	0.59
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	3	0.59
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	3	0.59
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	4	0.59
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	4	0.59
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	6	0.59
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	10	0.59
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	10	0.59
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	12	0.59
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	12	0.59
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	13	0.59
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	13	0.59
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	15	0.59
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	15	0.59
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	19	0.59
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	19	0.59
(1,3244)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	19	0.59
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	2	0.59
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	2	0.59
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	13	0.59
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	13	0.59
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	20	0.59
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	20	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	7	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	7	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	7	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	8	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	8	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	8	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	11	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	11	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	11	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	12	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	12	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	12	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	15	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	15	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	15	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	16	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	16	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	16	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	17	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	17	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	17	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	18	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	18	0.59
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	18	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	10	0.59
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	6	0.59
(1,3122)	1:401:A:THR:HB	1:402:A:PRO:HD3	17	0.59
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	3	0.59
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	3	0.59
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	3	0.59
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	14	0.59
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	14	0.59
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	14	0.59
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	15	0.59
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	15	0.59
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	15	0.59
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	1	0.59
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	1	0.59
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	1	0.59
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	4	0.59
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	4	0.59
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	4	0.59
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	5	0.59
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	5	0.59
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	5	0.59
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	10	0.59
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	10	0.59
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	10	0.59
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	16	0.59
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	16	0.59
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	16	0.59
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	20	0.59
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	20	0.59
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	20	0.59
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	12	0.59
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	12	0.59
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	12	0.59
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	15	0.59
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	15	0.59
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	15	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	3	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	3	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	3	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	9	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	9	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	10	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	10	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	10	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	11	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	11	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	11	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	12	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	12	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	12	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	15	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	15	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	15	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	17	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	17	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	17	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	20	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	20	0.59
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	20	0.59
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	15	0.59
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	13	0.59
(1,2964)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	5	0.59
(1,2964)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	10	0.59
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	9	0.59
(1,2932)	1:433:A:LEU:HB2	1:433:A:LEU:HG	3	0.59
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	8	0.59
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	10	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	5	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	5	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	5	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	6	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	6	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	6	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	11	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	11	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	11	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	12	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	12	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	12	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	16	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	16	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	16	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	18	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	18	0.59
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	18	0.59
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	2	0.59
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	8	0.59
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	14	0.59
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	4	0.59
(1,2776)	1:345:A:ILE:HB	1:345:A:ILE:H	18	0.59
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	17	0.59
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	7	0.59
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	13	0.59
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	16	0.59
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	19	0.59
(1,2627)	1:349:A:LEU:HG	1:349:A:LEU:HB2	20	0.59
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	6	0.59
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	19	0.59
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	2	0.59
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	2	0.59
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	3	0.59
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	4	0.59
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	6	0.59
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	7	0.59
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	9	0.59
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	10	0.59
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	16	0.59
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	17	0.59
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	9	0.59
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	13	0.59
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	18	0.59
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	5	0.59
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	17	0.59
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	18	0.59
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	16	0.59
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	17	0.59
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	8	0.59
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	4	0.59
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	10	0.59
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	11	0.59
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	18	0.59
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	4	0.59
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	4	0.59
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	4	0.59
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	10	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	10	0.59
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	10	0.59
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	1	0.59
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	1	0.59
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	1	0.59
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	8	0.59
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	8	0.59
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	8	0.59
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	14	0.59
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	14	0.59
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	14	0.59
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	9	0.59
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	9	0.59
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	9	0.59
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	18	0.59
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	18	0.59
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	18	0.59
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	4	0.59
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	6	0.59
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	17	0.59
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	9	0.59
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	2	0.59
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	20	0.59
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	1	0.59
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	1	0.59
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	1	0.59
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	12	0.59
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	17	0.59
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	6	0.59
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	9	0.59
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	14	0.59
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	1	0.59
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	3	0.59
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	5	0.59
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	10	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	1	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	3	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	6	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	7	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	8	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	10	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	12	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	15	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	16	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	17	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	18	0.59
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	20	0.59
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	10	0.59
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	10	0.59
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	10	0.59
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	20	0.59
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	20	0.59
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	20	0.59
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	14	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	1	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	2	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	3	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	4	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	5	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	8	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	12	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	14	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	15	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	16	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	17	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	18	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	19	0.59
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	20	0.59
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	2	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	3	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	3	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	3	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	7	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	7	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	7	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	9	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	9	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	9	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	10	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	10	0.59
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	10	0.59
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	2	0.59
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	2	0.59
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	9	0.59
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	9	0.59
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	9	0.59
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	15	0.59
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	15	0.59
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	15	0.59
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	2	0.59
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	2	0.59
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	2	0.59
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	20	0.59
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	20	0.59
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	20	0.59
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	2	0.59
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	4	0.59
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	10	0.59
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	20	0.59
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	17	0.59
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	12	0.59
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	19	0.59
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	5	0.59
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	13	0.59
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	14	0.59
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	15	0.59
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	18	0.59
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	2	0.59
(1,2028)	1:436:A:THR:HA	1:436:A:THR:H	3	0.59
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	1	0.59
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	1	0.59
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	1	0.59
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	3	0.59
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	2	0.59
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	8	0.59
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	10	0.59
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	10	0.59
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	10	0.59
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	17	0.59
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	17	0.59
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	17	0.59
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	19	0.59
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	19	0.59
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	19	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	10	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	10	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	10	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	11	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	11	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	11	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	12	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	12	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	12	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	17	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	17	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	17	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	18	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	18	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	18	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	20	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	20	0.59
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	20	0.59
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	5	0.59
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	5	0.59
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	5	0.59
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	8	0.59
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	8	0.59
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	8	0.59
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	19	0.59
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	19	0.59
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	19	0.59
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	17	0.59
(1,1750)	1:345:A:ILE:HD11	1:345:A:ILE:HA	5	0.59
(1,1750)	1:345:A:ILE:HD12	1:345:A:ILE:HA	5	0.59
(1,1750)	1:345:A:ILE:HD13	1:345:A:ILE:HA	5	0.59
(1,1731)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	4	0.59
(1,1731)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	10	0.59
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	8	0.59
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	8	0.59
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	9	0.59
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	11	0.59
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	15	0.59
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	17	0.59
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	19	0.59
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	14	0.59
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	4	0.59
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	7	0.59
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	8	0.59
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	9	0.59
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	14	0.59
(1,1450)	1:352:A:GLN:HA	1:352:A:GLN:HB2	19	0.59
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	11	0.59
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	1	0.59
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	1	0.59
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	1	0.59
(1,1382)	1:428:A:GLU:HA	1:428:A:GLU:HB2	13	0.59
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	1	0.59
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	3	0.59
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	6	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	1	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	2	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	3	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	5	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	7	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	9	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	10	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	11	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	13	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	16	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	17	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	19	0.59
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	20	0.59
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	2	0.59
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	18	0.59
(1,1125)	1:388:A:GLU:HB3	1:410:A:TRP:H	11	0.59
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	1	0.59
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	6	0.59
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	7	0.59
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	8	0.59
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	10	0.59
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	11	0.59
(1,1100)	1:356:A:TYR:HB3	1:356:A:TYR:HA	14	0.59
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	17	0.59
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	9	0.59
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	13	0.59
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	18	0.59
(1,1023)	1:437:A:ARG:HB3	1:437:A:ARG:HE	7	0.59
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	11	0.59
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	11	0.59
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	14	0.59
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	14	0.59
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	14	0.59
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	9	0.59
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	9	0.59
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	9	0.59
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	20	0.59
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	20	0.59
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	20	0.59
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	11	0.59
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	5	0.59
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	7	0.59
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	9	0.59
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	13	0.59
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	6	0.59
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	13	0.59
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	2	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	1	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	4	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	5	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	6	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	7	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	8	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	10	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	11	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	12	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	13	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	15	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	16	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	18	0.59
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	19	0.59
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	6	0.59
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	13	0.59
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	19	0.59
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	6	0.59
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	7	0.59
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	8	0.59
(1,667)	1:428:A:GLU:HG2	1:427:A:PRO:HA	7	0.59
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	11	0.59
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	11	0.59
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	12	0.59
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	12	0.59
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	12	0.59
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD11	5	0.59
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD12	5	0.59
(1,634)	1:345:A:ILE:HA	1:345:A:ILE:HD13	5	0.59
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	2	0.59
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	5	0.59
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	9	0.59
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	14	0.59
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	15	0.59
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	16	0.59
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	17	0.59
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	18	0.59
(1,571)	1:435:A:LYS:HB2	1:435:A:LYS:HA	20	0.59
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	14	0.59
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	15	0.59
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	1	0.59
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	10	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	1	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	1	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	1	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	2	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	2	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	2	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	3	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	3	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	3	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	4	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	4	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	4	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	5	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	5	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	5	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	6	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	6	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	6	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	7	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	7	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	7	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	9	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	9	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	11	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	11	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	11	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	12	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	12	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	12	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	13	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	13	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	13	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	15	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	15	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	15	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	16	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	16	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	16	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	17	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	17	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	17	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	18	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	18	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	18	0.59
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	20	0.59
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	20	0.59
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	20	0.59
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	9	0.59
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	9	0.59
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	9	0.59
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	9	0.59
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	9	0.59
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	9	0.59
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	11	0.59
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	11	0.59
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	11	0.59
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	11	0.59
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	11	0.59
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	11	0.59
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	15	0.59
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	15	0.59
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	15	0.59
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	15	0.59
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	15	0.59
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	12	0.59
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	14	0.59
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	10	0.59
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	3	0.59
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	3	0.59
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	3	0.59
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	7	0.59
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	7	0.59
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	7	0.59
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	9	0.59
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	9	0.59
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	9	0.59
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	2	0.59
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	16	0.59
(1,101)	1:459:A:LYS:HG2	1:459:A:LYS:H	2	0.59
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	8	0.59
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	8	0.59
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	8	0.59
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	9	0.59
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	9	0.59
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	9	0.59
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	12	0.59
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	12	0.59
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	12	0.59
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	14	0.59
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	14	0.59
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	14	0.59
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	2	0.58
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	3	0.58
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	9	0.58
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	1	0.58
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	6	0.58
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	12	0.58
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	18	0.58
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	2	0.58
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	3	0.58
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	8	0.58
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	9	0.58
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	10	0.58
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	11	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	20	0.58
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	2	0.58
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	3	0.58
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	9	0.58
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	6	0.58
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	11	0.58
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	14	0.58
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	18	0.58
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	19	0.58
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	8	0.58
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	10	0.58
(1,4023)	1:397:A:ASN:H	1:397:A:ASN:HD21	12	0.58
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	6	0.58
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	11	0.58
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	17	0.58
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	2	0.58
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	8	0.58
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	19	0.58
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	4	0.58
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	12	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	8	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	8	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	8	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	9	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	9	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	9	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	10	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	10	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	10	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	17	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	17	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	17	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	18	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	18	0.58
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	18	0.58
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	15	0.58
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	18	0.58
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	13	0.58
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	16	0.58
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	6	0.58
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	14	0.58
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3714)	1:426:A:GLN:HE22	1:437:A:ARG:HB3	17	0.58
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	2	0.58
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	6	0.58
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	10	0.58
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	17	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	2	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	4	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	5	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	7	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	8	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	10	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	11	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	15	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	16	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	17	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	18	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	19	0.58
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	20	0.58
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	3	0.58
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	10	0.58
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	3	0.58
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	5	0.58
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	18	0.58
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	17	0.58
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	11	0.58
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	11	0.58
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	16	0.58
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	16	0.58
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	16	0.58
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	16	0.58
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	16	0.58
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	16	0.58
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	19	0.58
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	19	0.58
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	19	0.58
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	19	0.58
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	19	0.58
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	19	0.58
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	8	0.58
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	8	0.58
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	2	0.58
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	16	0.58
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	17	0.58
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	17	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	1	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	2	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	3	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	4	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	5	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	6	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	7	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	8	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	9	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	10	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	11	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	12	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	13	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	14	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	15	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	16	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	17	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	18	0.58
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	19	0.58
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	9	0.58
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	9	0.58
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	9	0.58
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	18	0.58
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	18	0.58
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	19	0.58
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	19	0.58
(1,3256)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	20	0.58
(1,3256)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	20	0.58
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	5	0.58
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	7	0.58
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	19	0.58
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	1	0.58
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	1	0.58
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	1	0.58
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	4	0.58
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	4	0.58
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	4	0.58
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	10	0.58
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	10	0.58
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	4	0.58
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	11	0.58
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	8	0.58
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	8	0.58
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	8	0.58
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	10	0.58
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	10	0.58
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	10	0.58
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	20	0.58
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	20	0.58
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	20	0.58
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	3	0.58
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	3	0.58
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	3	0.58
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	8	0.58
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	8	0.58
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	8	0.58
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	13	0.58
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	13	0.58
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	13	0.58
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	17	0.58
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	17	0.58
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	17	0.58
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	18	0.58
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	18	0.58
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	18	0.58
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	19	0.58
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	19	0.58
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	19	0.58
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	19	0.58
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	19	0.58
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	19	0.58
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	1	0.58
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	1	0.58
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	1	0.58
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	15	0.58
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	16	0.58
(1,2964)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	2	0.58
(1,2964)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	4	0.58
(1,2964)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	11	0.58
(1,2964)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	20	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	4	0.58
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	16	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	1	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	1	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	1	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	2	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	2	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	2	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	3	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	3	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	3	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	4	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	4	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	4	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	7	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	7	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	7	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	8	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	8	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	8	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	9	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	9	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	9	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	10	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	10	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	10	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	13	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	13	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	13	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	14	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	14	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	14	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	15	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	15	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	15	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	17	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	17	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	17	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG11	20	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG12	20	0.58
(1,2842)	1:384:A:VAL:HB	1:384:A:VAL:HG13	20	0.58
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	4	0.58
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	9	0.58
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	12	0.58
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	16	0.58
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	17	0.58
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	6	0.58
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	18	0.58
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	16	0.58
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	1	0.58
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	4	0.58
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	9	0.58
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	12	0.58
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	16	0.58
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	17	0.58
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	8	0.58
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	14	0.58
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	10	0.58
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	19	0.58
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	12	0.58
(1,2486)	1:408:A:ASN:HB3	1:408:A:ASN:HA	14	0.58
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	9	0.58
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	9	0.58
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	9	0.58
(1,2483)	1:457:A:VAL:HG11	1:384:A:VAL:HB	18	0.58
(1,2483)	1:457:A:VAL:HG12	1:384:A:VAL:HB	18	0.58
(1,2483)	1:457:A:VAL:HG13	1:384:A:VAL:HB	18	0.58
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	6	0.58
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	6	0.58
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	6	0.58
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	9	0.58
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	9	0.58
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	9	0.58
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	10	0.58
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	10	0.58
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	10	0.58
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	20	0.58
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	20	0.58
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	20	0.58
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	5	0.58
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	11	0.58
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	12	0.58
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	2	0.58
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	4	0.58
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	5	0.58
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	7	0.58
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	8	0.58
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	10	0.58
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	15	0.58
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	16	0.58
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	17	0.58
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	19	0.58
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	5	0.58
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	11	0.58
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	11	0.58
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	11	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	2	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	2	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	2	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	3	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	3	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	3	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	4	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	4	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	4	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	6	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	6	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	6	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	7	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	7	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	7	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	8	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	8	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	8	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	9	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	9	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	9	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	10	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	10	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	10	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	11	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	11	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	11	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	12	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	12	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	13	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	13	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	13	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	14	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	14	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	14	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	16	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	16	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	16	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	17	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	17	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	17	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	18	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	18	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	18	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	19	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	19	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	19	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	20	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	20	0.58
(1,2340)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	20	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	1	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	2	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	3	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	4	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	5	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	6	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	7	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	8	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	9	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	10	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	11	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	13	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	14	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	15	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	16	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	18	0.58
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	20	0.58
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	1	0.58
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	14	0.58
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	16	0.58
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	2	0.58
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	4	0.58
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	5	0.58
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	11	0.58
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	13	0.58
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	19	0.58
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	11	0.58
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	11	0.58
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	11	0.58
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	16	0.58
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	16	0.58
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	16	0.58
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	7	0.58
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	7	0.58
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	17	0.58
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	12	0.58
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	12	0.58
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	12	0.58
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	14	0.58
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	14	0.58
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	14	0.58
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	8	0.58
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	8	0.58
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	8	0.58
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	16	0.58
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	16	0.58
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	16	0.58
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	4	0.58
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	11	0.58
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	1	0.58
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	1	0.58
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	1	0.58
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	16	0.58
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	16	0.58
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	16	0.58
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	5	0.58
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	5	0.58
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	2	0.58
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	4	0.58
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	7	0.58
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	8	0.58
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	10	0.58
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	11	0.58
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	12	0.58
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	17	0.58
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	1	0.58
(1,1908)	1:428:A:GLU:HG2	1:429:A:TYR:HA	7	0.58
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	6	0.58
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	6	0.58
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	6	0.58
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	8	0.58
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	8	0.58
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	8	0.58
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	20	0.58
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	20	0.58
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	20	0.58
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	1	0.58
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	1	0.58
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	1	0.58
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	6	0.58
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	6	0.58
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	6	0.58
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE1	19	0.58
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE2	19	0.58
(1,1845)	1:411:A:MET:HG2	1:411:A:MET:HE3	19	0.58
(1,1842)	1:381:A:VAL:HA	1:464:A:LEU:HA	19	0.58
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	1	0.58
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	8	0.58
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	8	0.58
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	8	0.58
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	17	0.58
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	17	0.58
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	17	0.58
(1,1731)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	2	0.58
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	3	0.58
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	3	0.58
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	12	0.58
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	15	0.58
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	17	0.58
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	19	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	3	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	4	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	5	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	6	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	7	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	12	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	13	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	14	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	16	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	18	0.58
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	20	0.58
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	19	0.58
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	19	0.58
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	19	0.58
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	17	0.58
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	2	0.58
(1,1376)	1:427:A:PRO:HG2	1:428:A:GLU:H	1	0.58
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	5	0.58
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	10	0.58
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	20	0.58
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	4	0.58
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	6	0.58
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	8	0.58
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	12	0.58
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	14	0.58
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	15	0.58
(1,1229)	1:443:A:ILE:HA	1:443:A:ILE:HB	18	0.58
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	14	0.58
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	3	0.58
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	5	0.58
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	6	0.58
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	12	0.58
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	20	0.58
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	1	0.58
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	12	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	1	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	1	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	1	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	2	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	2	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	2	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	6	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	6	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	8	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	8	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	8	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	12	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	12	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	12	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	17	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	17	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	17	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	19	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	19	0.58
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	19	0.58
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	1	0.58
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	1	0.58
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	1	0.58
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	7	0.58
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	7	0.58
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	7	0.58
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	15	0.58
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	15	0.58
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	15	0.58
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	18	0.58
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	18	0.58
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	18	0.58
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	7	0.58
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	7	0.58
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	7	0.58
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	18	0.58
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	18	0.58
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	18	0.58
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	3	0.58
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	14	0.58
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	15	0.58
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	17	0.58
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	2	0.58
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	3	0.58
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	7	0.58
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	9	0.58
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	14	0.58
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	10	0.58
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	17	0.58
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	20	0.58
(1,704)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	20	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	2	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	3	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	5	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	8	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	9	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	10	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	12	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	15	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	17	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	18	0.58
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	20	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	1	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	2	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	3	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	4	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	5	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	9	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	10	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	13	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	14	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	15	0.58
(1,670)	1:346:A:GLU:HB3	1:346:A:GLU:HA	18	0.58
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	4	0.58
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	3	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	1	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	2	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	3	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	4	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	5	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	6	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	8	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	9	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	11	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	12	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	15	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	16	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	17	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	19	0.58
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	20	0.58
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	9	0.58
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	5	0.58
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	4	0.58
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	12	0.58
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	15	0.58
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	19	0.58
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	19	0.58
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	19	0.58
(1,359)	1:407:A:VAL:HG11	1:407:A:VAL:HB	14	0.58
(1,359)	1:407:A:VAL:HG12	1:407:A:VAL:HB	14	0.58
(1,359)	1:407:A:VAL:HG13	1:407:A:VAL:HB	14	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	2	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	2	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	2	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	2	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	2	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	2	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	4	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	4	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	4	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	4	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	4	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	4	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	7	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	7	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	7	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	7	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	7	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	7	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	8	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	8	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	8	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	8	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	8	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	8	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	13	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	13	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	13	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	13	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	13	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	14	0.58
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	14	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	14	0.58
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	14	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	14	0.58
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	14	0.58
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	1	0.58
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	7	0.58
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	15	0.58
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	3	0.58
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	1	0.58
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	8	0.58
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	17	0.58
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	17	0.58
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	17	0.58
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	17	0.58
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	3	0.58
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	7	0.58
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	12	0.58
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	15	0.58
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	17	0.58
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	19	0.58
(1,101)	1:459:A:LYS:HG2	1:459:A:LYS:H	20	0.58
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	6	0.58
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	6	0.58
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	6	0.58
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	10	0.58
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	10	0.58
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	10	0.58
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	19	0.58
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	19	0.58
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	19	0.58
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD11	7	0.58
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD12	7	0.58
(1,37)	1:452:A:GLU:HB2	1:364:A:LEU:HD13	7	0.58
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	10	0.57
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	16	0.57
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	6	0.57
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	17	0.57
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	19	0.57
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	7	0.57
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	18	0.57
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	7	0.57
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	20	0.57
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	10	0.57
(1,3980)	1:370:A:SER:H	1:369:A:VAL:HA	12	0.57
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	11	0.57
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	1	0.57
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	3	0.57
(1,3931)	1:436:A:THR:H	1:437:A:ARG:HA	6	0.57
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	2	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	1	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	2	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	3	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	4	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	6	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	7	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	8	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	9	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	10	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	11	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	12	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	13	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	14	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	15	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	16	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	17	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	18	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	19	0.57
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	20	0.57
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	18	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	6	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	6	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	6	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	15	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	15	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	15	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	16	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	16	0.57
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	16	0.57
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	1	0.57
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	7	0.57
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	3	0.57
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	4	0.57
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	5	0.57
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	9	0.57
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	14	0.57
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	16	0.57
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	9	0.57
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	8	0.57
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	14	0.57
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	18	0.57
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	19	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	1	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	2	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	4	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	6	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	7	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	8	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	9	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	10	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	11	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	12	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	13	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	14	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	15	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	16	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	17	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	19	0.57
(1,3539)	1:352:A:GLN:HE22	1:352:A:GLN:HE21	20	0.57
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	4	0.57
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	11	0.57
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	20	0.57
(1,3505)	1:408:A:ASN:HD21	1:408:A:ASN:HA	14	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	2	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	3	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	4	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	5	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	6	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	9	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	11	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	12	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	15	0.57
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	20	0.57
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	6	0.57
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	5	0.57
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	5	0.57
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	5	0.57
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	5	0.57
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	5	0.57
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	5	0.57
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	12	0.57
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	12	0.57
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	12	0.57
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	12	0.57
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	12	0.57
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	12	0.57
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	20	0.57
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	20	0.57
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	20	0.57
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	20	0.57
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	20	0.57
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	20	0.57
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	7	0.57
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	9	0.57
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	14	0.57
(1,3308)	1:415:A:TRP:HZ3	1:415:A:TRP:HH2	20	0.57
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	4	0.57
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	4	0.57
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	11	0.57
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	11	0.57
(1,3301)	1:382:A:PHE:HD1	1:382:A:PHE:HA	20	0.57
(1,3301)	1:382:A:PHE:HD2	1:382:A:PHE:HA	20	0.57
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	7	0.57
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	10	0.57
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	13	0.57
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	14	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	1	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	2	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	3	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	4	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	6	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	7	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	9	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	10	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	11	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	12	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	13	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	14	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	15	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	16	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	17	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	18	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	19	0.57
(1,3206)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	20	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	1	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	2	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	3	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	4	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	5	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	6	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	8	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	9	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	10	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	11	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	12	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	13	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	14	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	15	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	16	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	17	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	18	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	19	0.57
(1,3180)	1:454:A:PHE:HB3	1:454:A:PHE:HA	20	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	2	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	2	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	2	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	3	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	3	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	3	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	5	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	5	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	5	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	9	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	9	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	9	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	13	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	13	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	13	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	14	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	14	0.57
(1,3134)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	14	0.57
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	2	0.57
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	18	0.57
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	12	0.57
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	12	0.57
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	12	0.57
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	17	0.57
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	17	0.57
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	17	0.57
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	12	0.57
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	12	0.57
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	12	0.57
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	20	0.57
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	20	0.57
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	20	0.57
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	14	0.57
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	14	0.57
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	14	0.57
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	1	0.57
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	2	0.57
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	3	0.57
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	4	0.57
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	9	0.57
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	14	0.57
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB1	19	0.57
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB2	19	0.57
(1,2994)	1:391:A:ALA:HA	1:391:A:ALA:HB3	19	0.57
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	1	0.57
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	11	0.57
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	12	0.57
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	9	0.57
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	19	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	3	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	5	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	6	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	8	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	10	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	11	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	13	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	15	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	18	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	19	0.57
(1,2826)	1:449:A:VAL:HA	1:449:A:VAL:HB	20	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	3	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	5	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	6	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	7	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	8	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	10	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	11	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	13	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	15	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	18	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	19	0.57
(1,2566)	1:449:A:VAL:HB	1:449:A:VAL:HA	20	0.57
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	2	0.57
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	5	0.57
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	14	0.57
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	15	0.57
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	3	0.57
(1,2522)	1:387:A:LYS:HB2	1:387:A:LYS:HA	4	0.57
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	10	0.57
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	3	0.57
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	3	0.57
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	3	0.57
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	11	0.57
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	11	0.57
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	11	0.57
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	14	0.57
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	14	0.57
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	14	0.57
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	1	0.57
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	11	0.57
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	12	0.57
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	13	0.57
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	18	0.57
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	1	0.57
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	6	0.57
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	12	0.57
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	18	0.57
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	19	0.57
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	19	0.57
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	19	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	2	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	3	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	4	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	5	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	6	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	8	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	9	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	11	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	12	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	13	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	14	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	15	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	17	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	18	0.57
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	20	0.57
(1,2318)	1:348:A:ASP:HA	1:348:A:ASP:H	19	0.57
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	20	0.57
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	18	0.57
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	11	0.57
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	18	0.57
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	9	0.57
(1,2300)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	14	0.57
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	17	0.57
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	17	0.57
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	17	0.57
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	10	0.57
(1,2266)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	13	0.57
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	4	0.57
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	8	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	4	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	4	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	4	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	11	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	11	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	11	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	16	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	16	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	16	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	17	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	17	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	17	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	20	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	20	0.57
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	20	0.57
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	14	0.57
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	14	0.57
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	14	0.57
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	14	0.57
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	20	0.57
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	11	0.57
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	11	0.57
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	11	0.57
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	12	0.57
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	12	0.57
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	12	0.57
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	15	0.57
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	15	0.57
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	15	0.57
(1,2156)	1:459:A:LYS:HB3	1:458:A:GLU:HA	11	0.57
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	13	0.57
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	7	0.57
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	1	0.57
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	3	0.57
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	9	0.57
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	16	0.57
(1,2045)	1:368:A:ILE:HB	1:368:A:ILE:HG12	20	0.57
(1,2002)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	2	0.57
(1,2002)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	4	0.57
(1,2002)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	10	0.57
(1,1989)	1:372:A:LYS:HG3	1:372:A:LYS:HD2	17	0.57
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	18	0.57
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	18	0.57
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	18	0.57
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	14	0.57
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	17	0.57
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	12	0.57
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	7	0.57
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	7	0.57
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	14	0.57
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	14	0.57
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	14	0.57
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	13	0.57
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	6	0.57
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	14	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	1	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	1	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	1	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	2	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	2	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	2	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	3	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	3	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	3	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	4	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	4	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	4	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	5	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	5	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	5	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	6	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	6	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	6	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	7	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	7	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	7	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	9	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	9	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	9	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	10	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	10	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	10	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	11	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	11	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	11	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	12	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	12	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	12	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	13	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	13	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	14	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	14	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	14	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	16	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	16	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	16	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	18	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	18	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	18	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	19	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	19	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	19	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	20	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	20	0.57
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	20	0.57
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	9	0.57
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	17	0.57
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	2	0.57
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	7	0.57
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	1	0.57
(1,1677)	1:403:A:TYR:HB2	1:403:A:TYR:HA	10	0.57
(1,1644)	1:341:A:GLU:HB3	1:342:A:ASP:H	15	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	1	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	1	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	1	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	2	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	2	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	2	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	3	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	3	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	3	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	4	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	4	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	4	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	5	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	5	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	5	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	6	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	6	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	7	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	7	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	7	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	8	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	8	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	8	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	9	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	9	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	9	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	10	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	10	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	10	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	11	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	11	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	11	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	12	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	12	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	12	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	13	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	13	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	13	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	14	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	14	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	14	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	16	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	16	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	16	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	17	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	17	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	17	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	18	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	18	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	18	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	20	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	20	0.57
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	20	0.57
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	4	0.57
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	2	0.57
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	4	0.57
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	8	0.57
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	11	0.57
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	14	0.57
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	19	0.57
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	5	0.57
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	13	0.57
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	7	0.57
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	7	0.57
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	7	0.57
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	10	0.57
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	18	0.57
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	5	0.57
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	11	0.57
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	14	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	3	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	3	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	3	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	4	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	4	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	4	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	7	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	7	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	7	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	9	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	9	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	9	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	10	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	10	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	10	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	13	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	13	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	13	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	18	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	18	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	18	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	20	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	20	0.57
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	20	0.57
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG21	15	0.57
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG22	15	0.57
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG23	15	0.57
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	1	0.57
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	4	0.57
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	5	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	10	0.57
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	11	0.57
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	13	0.57
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	3	0.57
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	3	0.57
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	3	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	9	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	9	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	9	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	16	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	16	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	16	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	19	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	19	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	19	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	20	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	20	0.57
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	20	0.57
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	4	0.57
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	6	0.57
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	20	0.57
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	11	0.57
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	2	0.57
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	4	0.57
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	8	0.57
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	12	0.57
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	20	0.57
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	8	0.57
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	10	0.57
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	11	0.57
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	13	0.57
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	15	0.57
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	18	0.57
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	2	0.57
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	4	0.57
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	5	0.57
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	8	0.57
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	14	0.57
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	17	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	2	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	3	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	5	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	7	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	8	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	9	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	10	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	13	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	14	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	15	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	16	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	18	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	19	0.57
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	20	0.57
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	1	0.57
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	4	0.57
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	11	0.57
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	16	0.57
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	8	0.57
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	8	0.57
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	8	0.57
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	13	0.57
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	13	0.57
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	13	0.57
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	14	0.57
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	14	0.57
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	14	0.57
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	16	0.57
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	16	0.57
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	16	0.57
(1,631)	1:426:A:GLN:HB2	1:426:A:GLN:H	1	0.57
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	10	0.57
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	13	0.57
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	14	0.57
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	5	0.57
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	9	0.57
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	7	0.57
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	2	0.57
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	20	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	1	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	1	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	1	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	8	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	8	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	10	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	10	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	10	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	14	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	14	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	14	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	15	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	15	0.57
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	15	0.57
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	15	0.57
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	15	0.57
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	15	0.57
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	3	0.57
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	15	0.57
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	16	0.57
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	19	0.57
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	4	0.57
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	18	0.57
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	12	0.57
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	12	0.57
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	12	0.57
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	12	0.57
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	12	0.57
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	12	0.57
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	2	0.57
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	5	0.57
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	14	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	4	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	5	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	7	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	9	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	11	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	12	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	13	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	14	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	15	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	16	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	17	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	18	0.57
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	19	0.57
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	2	0.57
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	4	0.57
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	9	0.57
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	14	0.57
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	16	0.57
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	20	0.57
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	9	0.57
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	4	0.57
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	11	0.57
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	20	0.57
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	1	0.57
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	1	0.57
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	1	0.57
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	16	0.57
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	16	0.57
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	16	0.57
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	1	0.57
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	6	0.57
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	9	0.57
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	18	0.57
(1,101)	1:459:A:LYS:HG2	1:459:A:LYS:H	4	0.57
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	2	0.57
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	2	0.57
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	2	0.57
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	5	0.57
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	5	0.57
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	5	0.57
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	15	0.57
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	15	0.57
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	15	0.57
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	13	0.57
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	13	0.57
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	4	0.56
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	11	0.56
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	11	0.56
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	11	0.56
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	19	0.56
(1,4126)	1:411:A:MET:H	1:410:A:TRP:HA	20	0.56
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	5	0.56
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	16	0.56
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	9	0.56
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	18	0.56
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	1	0.56
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	5	0.56
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	3	0.56
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	8	0.56
(1,3918)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	5	0.56
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	5	0.56
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	7	0.56
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	10	0.56
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	11	0.56
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	14	0.56
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	1	0.56
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	1	0.56
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	1	0.56
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	3	0.56
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	3	0.56
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	3	0.56
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	4	0.56
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	4	0.56
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	4	0.56
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	4	0.56
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	7	0.56
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	3	0.56
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	4	0.56
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	12	0.56
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	16	0.56
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	17	0.56
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	9	0.56
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	12	0.56
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	4	0.56
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	13	0.56
(1,3715)	1:380:A:GLY:H	1:379:A:ALA:HA	15	0.56
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	9	0.56
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	9	0.56
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	13	0.56
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	2	0.56
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	8	0.56
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	12	0.56
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	15	0.56
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	1	0.56
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	6	0.56
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	9	0.56
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	10	0.56
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	15	0.56
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	8	0.56
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	10	0.56
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	11	0.56
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	12	0.56
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	18	0.56
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	17	0.56
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	5	0.56
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	12	0.56
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	16	0.56
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	20	0.56
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	2	0.56
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	6	0.56
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	20	0.56
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	1	0.56
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	7	0.56
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	8	0.56
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	10	0.56
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	13	0.56
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	16	0.56
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	17	0.56
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	18	0.56
(1,3431)	1:434:A:TRP:HH2	1:434:A:TRP:HZ3	19	0.56
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	1	0.56
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	1	0.56
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	1	0.56
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	1	0.56
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	1	0.56
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	1	0.56
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	7	0.56
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	7	0.56
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	7	0.56
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	7	0.56
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	7	0.56
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	7	0.56
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	3	0.56
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	3	0.56
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	3	0.56
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	3	0.56
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	3	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	1	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	2	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	3	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	4	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	6	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	8	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	9	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	10	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	12	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	13	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	14	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	15	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	16	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	17	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	18	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	19	0.56
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	20	0.56
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	17	0.56
(1,3346)	1:425:A:TRP:HZ2	1:393:A:LEU:HD11	10	0.56
(1,3346)	1:425:A:TRP:HZ2	1:393:A:LEU:HD12	10	0.56
(1,3346)	1:425:A:TRP:HZ2	1:393:A:LEU:HD13	10	0.56
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	16	0.56
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	16	0.56
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	2	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	1	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	2	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	3	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	4	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	5	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	6	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	8	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	9	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	11	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	12	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	15	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	16	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	17	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	18	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	19	0.56
(1,3297)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	20	0.56
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	7	0.56
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	16	0.56
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	2	0.56
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	2	0.56
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	2	0.56
(1,3104)	1:407:A:VAL:HG11	1:421:A:HIS:HB2	6	0.56
(1,3104)	1:407:A:VAL:HG12	1:421:A:HIS:HB2	6	0.56
(1,3104)	1:407:A:VAL:HG13	1:421:A:HIS:HB2	6	0.56
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	4	0.56
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	4	0.56
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	4	0.56
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	5	0.56
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	11	0.56
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	11	0.56
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	11	0.56
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	19	0.56
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	5	0.56
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	7	0.56
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	8	0.56
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	10	0.56
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	13	0.56
(1,3020)	1:346:A:GLU:HB3	1:346:A:GLU:H	18	0.56
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	6	0.56
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	16	0.56
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	2	0.56
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	4	0.56
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	5	0.56
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	6	0.56
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	7	0.56
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	10	0.56
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	14	0.56
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	15	0.56
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	18	0.56
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	20	0.56
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	5	0.56
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	14	0.56
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	4	0.56
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	20	0.56
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	10	0.56
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	10	0.56
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	10	0.56
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	20	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	1:339:A:HIS:HB2	1:340:A:MET:H	15	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	1	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	3	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	4	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	6	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	7	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	8	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	9	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	10	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	11	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	12	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	13	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	15	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	16	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	17	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	18	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	19	0.56
(1,2546)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	20	0.56
(1,2528)	1:419:A:GLY:HA3	1:420:A:ILE:H	5	0.56
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	19	0.56
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	1	0.56
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	4	0.56
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	13	0.56
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	14	0.56
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	16	0.56
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	5	0.56
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	5	0.56
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	5	0.56
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	2	0.56
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	2	0.56
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	2	0.56
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	3	0.56
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	3	0.56
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	3	0.56
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	20	0.56
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	1	0.56
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	3	0.56
(1,2432)	1:449:A:VAL:HA	1:450:A:MET:HB2	6	0.56
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	2	0.56
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	9	0.56
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	13	0.56
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	20	0.56
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	13	0.56
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	13	0.56
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	13	0.56
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	16	0.56
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	16	0.56
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	16	0.56
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	8	0.56
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	1	0.56
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	16	0.56
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	1	0.56
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	7	0.56
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	16	0.56
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	19	0.56
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	5	0.56
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	7	0.56
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	11	0.56
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	15	0.56
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	16	0.56
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	5	0.56
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	6	0.56
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	19	0.56
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	20	0.56
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	4	0.56
(1,2304)	1:395:A:GLY:HA3	1:396:A:THR:H	7	0.56
(1,2290)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	12	0.56
(1,2290)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	12	0.56
(1,2290)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	12	0.56
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	5	0.56
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	1	0.56
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	1	0.56
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	1	0.56
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	5	0.56
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	5	0.56
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	5	0.56
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG21	13	0.56
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG22	13	0.56
(1,2217)	1:461:A:THR:HA	1:461:A:THR:HG23	13	0.56
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	5	0.56
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	5	0.56
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	5	0.56
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	16	0.56
(1,2181)	1:349:A:LEU:HD11	1:349:A:LEU:HA	19	0.56
(1,2181)	1:349:A:LEU:HD12	1:349:A:LEU:HA	19	0.56
(1,2181)	1:349:A:LEU:HD13	1:349:A:LEU:HA	19	0.56
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	11	0.56
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	12	0.56
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	16	0.56
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	17	0.56
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	19	0.56
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	20	0.56
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	18	0.56
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	14	0.56
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	14	0.56
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	14	0.56
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	14	0.56
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	14	0.56
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	14	0.56
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	14	0.56
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	14	0.56
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	14	0.56
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	20	0.56
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	20	0.56
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	20	0.56
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	10	0.56
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	15	0.56
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	20	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	2	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	2	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	2	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	3	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	3	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	3	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	4	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	4	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	4	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	9	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	9	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	9	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	13	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	13	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	13	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	18	0.56
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	18	0.56
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG21	7	0.56
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG22	7	0.56
(1,1811)	1:381:A:VAL:HA	1:381:A:VAL:HG23	7	0.56
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	8	0.56
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB1	15	0.56
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB2	15	0.56
(1,1732)	1:379:A:ALA:HA	1:379:A:ALA:HB3	15	0.56
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	4	0.56
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	18	0.56
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG21	15	0.56
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG22	15	0.56
(1,1559)	1:443:A:ILE:HB	1:443:A:ILE:HG23	15	0.56
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	19	0.56
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	16	0.56
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	5	0.56
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	5	0.56
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	5	0.56
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	13	0.56
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	1	0.56
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	5	0.56
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	17	0.56
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	3	0.56
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	3	0.56
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	3	0.56
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	7	0.56
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	7	0.56
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	7	0.56
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	9	0.56
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	9	0.56
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	9	0.56
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	12	0.56
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	12	0.56
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	12	0.56
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	13	0.56
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	13	0.56
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	13	0.56
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	17	0.56
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	17	0.56
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	17	0.56
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	18	0.56
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	18	0.56
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	15	0.56
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	16	0.56
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	12	0.56
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	13	0.56
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	8	0.56
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	6	0.56
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	7	0.56
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	13	0.56
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	13	0.56
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	13	0.56
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	18	0.56
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	18	0.56
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	18	0.56
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	20	0.56
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	20	0.56
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	20	0.56
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	2	0.56
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	9	0.56
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	17	0.56
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	18	0.56
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	11	0.56
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	2	0.56
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	8	0.56
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	5	0.56
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	5	0.56
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	5	0.56
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	15	0.56
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	15	0.56
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	15	0.56
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	16	0.56
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	16	0.56
(1,1012)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	16	0.56
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	10	0.56
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	11	0.56
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	2	0.56
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	3	0.56
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	8	0.56
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	18	0.56
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	20	0.56
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	19	0.56
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	19	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	1	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	1	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	1	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	8	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	8	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	8	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	10	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	10	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	10	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	11	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	11	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	11	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	12	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	12	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	12	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	13	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	13	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	13	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	17	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	17	0.56
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	17	0.56
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	10	0.56
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	12	0.56
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	13	0.56
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	13	0.56
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	13	0.56
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	16	0.56
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	16	0.56
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	16	0.56
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	18	0.56
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	10	0.56
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	5	0.56
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	13	0.56
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	1	0.56
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	4	0.56
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	5	0.56
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	12	0.56
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	16	0.56
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	17	0.56
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	20	0.56
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	6	0.56
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	11	0.56
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	12	0.56
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	15	0.56
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	18	0.56
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	20	0.56
(1,760)	1:432:A:ASP:HA	1:432:A:ASP:HB3	19	0.56
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	1	0.56
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	6	0.56
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	11	0.56
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	12	0.56
(1,715)	1:453:A:LEU:HB3	1:453:A:LEU:HA	17	0.56
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	7	0.56
(1,684)	1:443:A:ILE:HA	1:443:A:ILE:H	14	0.56
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	2	0.56
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	2	0.56
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	2	0.56
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	2	0.56
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	9	0.56
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	17	0.56
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	18	0.56
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	7	0.56
(1,564)	1:373:A:PRO:HB3	1:373:A:PRO:HA	10	0.56
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	1	0.56
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	1	0.56
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	1	0.56
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	15	0.56
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	4	0.56
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	16	0.56
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	2	0.56
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	10	0.56
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	13	0.56
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	15	0.56
(1,453)	1:429:A:TYR:HB2	1:429:A:TYR:H	14	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	3	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	3	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	3	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	4	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	4	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	4	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	5	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	5	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	7	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	7	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	7	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	12	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	12	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	12	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	13	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	13	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	13	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	16	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	16	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	16	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	18	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	18	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	18	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	20	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	20	0.56
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	20	0.56
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	6	0.56
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	7	0.56
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	9	0.56
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	12	0.56
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	13	0.56
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	1	0.56
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	1	0.56
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	1	0.56
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	1	0.56
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	1	0.56
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	1	0.56
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	19	0.56
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	19	0.56
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	19	0.56
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	19	0.56
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	19	0.56
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	19	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	1	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	3	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	4	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	6	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	8	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	9	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	10	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	11	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	12	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	13	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	15	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	16	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	17	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	18	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	19	0.56
(1,312)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	20	0.56
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	2	0.56
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	3	0.56
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	6	0.56
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	8	0.56
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	10	0.56
(1,308)	1:351:A:ASN:HB3	1:351:A:ASN:HA	20	0.56
(1,268)	1:392:A:THR:HB	1:394:A:LYS:HE3	12	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	1	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	3	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	5	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	6	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	7	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	8	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	11	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	12	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	17	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	18	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	19	0.56
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	20	0.56
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	5	0.56
(1,243)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	8	0.56
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	14	0.56
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	5	0.56
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	2	0.56
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	2	0.56
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	2	0.56
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	6	0.56
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	6	0.56
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	6	0.56
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	18	0.56
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	18	0.56
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	8	0.56
(1,123)	1:458:A:GLU:HA	1:459:A:LYS:H	14	0.56
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	16	0.56
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	16	0.56
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	16	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	1	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	1	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	2	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	2	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	3	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	3	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	6	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	6	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	8	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	8	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	9	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	9	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	14	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	14	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	15	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	15	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	18	0.56
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	18	0.56
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	19	0.55
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	8	0.55
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	18	0.55
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	20	0.55
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	20	0.55
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	20	0.55
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	6	0.55
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	6	0.55
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	6	0.55
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	11	0.55
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	19	0.55
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	3	0.55
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	8	0.55
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	10	0.55
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	1	0.55
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	16	0.55
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	16	0.55
(1,3962)	1:387:A:LYS:H	1:387:A:LYS:HD2	16	0.55
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	7	0.55
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	5	0.55
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	18	0.55
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	19	0.55
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	2	0.55
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	6	0.55
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	12	0.55
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	15	0.55
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	17	0.55
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	20	0.55
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	19	0.55
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	19	0.55
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	19	0.55
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	17	0.55
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	2	0.55
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	5	0.55
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	6	0.55
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	18	0.55
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	2	0.55
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	1	0.55
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	3	0.55
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	6	0.55
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	18	0.55
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	20	0.55
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	11	0.55
(1,3659)	1:448:A:SER:H	1:447:A:PRO:HB2	14	0.55
(1,3641)	1:450:A:MET:H	1:450:A:MET:HB2	14	0.55
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	13	0.55
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	20	0.55
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	3	0.55
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	6	0.55
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	17	0.55
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	19	0.55
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	1	0.55
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	4	0.55
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	5	0.55
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	12	0.55
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	15	0.55
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	18	0.55
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	14	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	3	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	3	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	3	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	3	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	3	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	3	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	4	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	4	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	4	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	4	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	4	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	4	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	5	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	5	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	5	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	5	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	5	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	5	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	10	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	10	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	10	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	10	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	10	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	10	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	13	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	13	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	13	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	13	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	13	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	13	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	14	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	14	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	14	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	14	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	14	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	14	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	18	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	18	0.55
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	18	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	18	0.55
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	18	0.55
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	16	0.55
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	16	0.55
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	17	0.55
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	17	0.55
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	20	0.55
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	20	0.55
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	1	0.55
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	6	0.55
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	8	0.55
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	13	0.55
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	16	0.55
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	18	0.55
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	19	0.55
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	9	0.55
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	9	0.55
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	9	0.55
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	9	0.55
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	9	0.55
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	9	0.55
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	5	0.55
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	7	0.55
(1,3391)	1:425:A:TRP:HZ2	1:425:A:TRP:HH2	11	0.55
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	10	0.55
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	10	0.55
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	10	0.55
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	17	0.55
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	17	0.55
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	3	0.55
(1,3198)	1:415:A:TRP:HE3	1:415:A:TRP:HB2	15	0.55
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	1	0.55
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	4	0.55
(1,3147)	1:427:A:PRO:HB2	1:428:A:GLU:H	13	0.55
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	9	0.55
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	19	0.55
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	2	0.55
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	2	0.55
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	2	0.55
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	4	0.55
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	4	0.55
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	4	0.55
(1,3089)	1:405:A:SER:HB3	1:407:A:VAL:HA	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	11	0.55
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	11	0.55
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	11	0.55
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	1	0.55
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	1	0.55
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	1	0.55
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	4	0.55
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	4	0.55
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	4	0.55
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	16	0.55
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	16	0.55
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	16	0.55
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	19	0.55
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	19	0.55
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	19	0.55
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	20	0.55
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	20	0.55
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	20	0.55
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	5	0.55
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	20	0.55
(1,2999)	1:393:A:LEU:HD11	1:393:A:LEU:HB3	10	0.55
(1,2999)	1:393:A:LEU:HD12	1:393:A:LEU:HB3	10	0.55
(1,2999)	1:393:A:LEU:HD13	1:393:A:LEU:HB3	10	0.55
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	5	0.55
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	19	0.55
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	4	0.55
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	19	0.55
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	20	0.55
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	4	0.55
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	6	0.55
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	12	0.55
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	18	0.55
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	8	0.55
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	9	0.55
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	17	0.55
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	3	0.55
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	2	0.55
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	14	0.55
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	16	0.55
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	14	0.55
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	20	0.55
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	20	0.55
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	11	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	2	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	3	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	5	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	6	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	7	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	8	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	10	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	11	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	12	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	15	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	17	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	18	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	19	0.55
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	20	0.55
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	2	0.55
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	2	0.55
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	2	0.55
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	15	0.55
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	15	0.55
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	15	0.55
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	20	0.55
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	20	0.55
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	20	0.55
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	3	0.55
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	10	0.55
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	14	0.55
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	16	0.55
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	1	0.55
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	2	0.55
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	4	0.55
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	9	0.55
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	19	0.55
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	1	0.55
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	1	0.55
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	1	0.55
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	11	0.55
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	6	0.55
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	14	0.55
(1,2378)	1:393:A:LEU:HB2	1:393:A:LEU:HA	10	0.55
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	7	0.55
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	12	0.55
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	7	0.55
(1,2236)	1:390:A:ASP:HA	1:390:A:ASP:HB2	1	0.55
(1,2205)	1:450:A:MET:HE1	1:409:A:TYR:HB3	17	0.55
(1,2205)	1:450:A:MET:HE2	1:409:A:TYR:HB3	17	0.55
(1,2205)	1:450:A:MET:HE3	1:409:A:TYR:HB3	17	0.55
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	9	0.55
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	18	0.55
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	4	0.55
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	4	0.55
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	4	0.55
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	18	0.55
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	18	0.55
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	18	0.55
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	10	0.55
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	10	0.55
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	10	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	1	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	2	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	3	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	4	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	5	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	6	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	7	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	8	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	9	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	10	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	13	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	14	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	15	0.55
(1,2177)	1:348:A:ASP:HB3	1:348:A:ASP:HA	18	0.55
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	11	0.55
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	16	0.55
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	7	0.55
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	10	0.55
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	14	0.55
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	10	0.55
(1,1989)	1:372:A:LYS:HG3	1:372:A:LYS:HD2	5	0.55
(1,1989)	1:372:A:LYS:HG3	1:372:A:LYS:HD2	8	0.55
(1,1989)	1:372:A:LYS:HG3	1:372:A:LYS:HD2	12	0.55
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	6	0.55
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	6	0.55
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	6	0.55
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	6	0.55
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	6	0.55
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	6	0.55
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	6	0.55
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	6	0.55
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	2	0.55
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	2	0.55
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	2	0.55
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	16	0.55
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	16	0.55
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	16	0.55
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	9	0.55
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	18	0.55
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	19	0.55
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	15	0.55
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	19	0.55
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	6	0.55
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	9	0.55
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	10	0.55
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	11	0.55
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	12	0.55
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	13	0.55
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	16	0.55
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	17	0.55
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	18	0.55
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	20	0.55
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	9	0.55
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	2	0.55
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	7	0.55
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	9	0.55
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	14	0.55
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	15	0.55
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	18	0.55
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	6	0.55
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	6	0.55
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	6	0.55
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	16	0.55
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	16	0.55
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	1	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	2	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	6	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	7	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	8	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	9	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	11	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	15	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	16	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	17	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	18	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	19	0.55
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	20	0.55
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	3	0.55
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	6	0.55
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	8	0.55
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	12	0.55
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	13	0.55
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	17	0.55
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	19	0.55
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	20	0.55
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	14	0.55
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	14	0.55
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	19	0.55
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	11	0.55
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	13	0.55
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	20	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	2	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	2	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	2	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	4	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	4	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	4	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	14	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	14	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	14	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	15	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	15	0.55
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	15	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	2	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	2	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	4	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	4	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	4	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	8	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	8	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	8	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	9	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	9	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	9	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	10	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	10	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	10	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	12	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	12	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	12	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	14	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	14	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	14	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	15	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	15	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	15	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	17	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	17	0.55
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	17	0.55
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	4	0.55
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	7	0.55
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	8	0.55
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	1	0.55
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	4	0.55
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	17	0.55
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	18	0.55
(1,969)	1:451:A:LYS:HA	1:451:A:LYS:HE2	20	0.55
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	6	0.55
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	12	0.55
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	14	0.55
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	15	0.55
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	16	0.55
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	17	0.55
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	19	0.55
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	2	0.55
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	2	0.55
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	6	0.55
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	6	0.55
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	6	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	2	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	2	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	2	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	3	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	3	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	3	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	6	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	6	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	6	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	14	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	14	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	14	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	15	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	15	0.55
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	15	0.55
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	2	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	6	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	6	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	6	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	8	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	8	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	8	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	9	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	9	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	9	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	10	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	10	0.55
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	10	0.55
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	15	0.55
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	7	0.55
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	14	0.55
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	15	0.55
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	17	0.55
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	2	0.55
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	4	0.55
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	6	0.55
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	10	0.55
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	11	0.55
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	16	0.55
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	18	0.55
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	19	0.55
(1,794)	1:400:A:GLY:HA2	1:400:A:GLY:H	6	0.55
(1,767)	1:432:A:ASP:HB2	1:431:A:GLY:HA3	7	0.55
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	4	0.55
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	4	0.55
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	4	0.55
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	7	0.55
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	7	0.55
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	7	0.55
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	9	0.55
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	9	0.55
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	9	0.55
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	10	0.55
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	10	0.55
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	10	0.55
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	15	0.55
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	15	0.55
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	15	0.55
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	18	0.55
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	18	0.55
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	18	0.55
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	17	0.55
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	4	0.55
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	7	0.55
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	8	0.55
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	11	0.55
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	11	0.55
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	11	0.55
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	12	0.55
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	12	0.55
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	12	0.55
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	1	0.55
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	2	0.55
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	8	0.55
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	12	0.55
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	13	0.55
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	17	0.55
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	18	0.55
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	19	0.55
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	16	0.55
(1,484)	1:340:A:MET:HB2	1:340:A:MET:HA	4	0.55
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	6	0.55
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	6	0.55
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	6	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	2	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	2	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	2	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	6	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	6	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	6	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	9	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	9	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	9	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	11	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	11	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	11	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	17	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	17	0.55
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	17	0.55
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	13	0.55
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	18	0.55
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	1	0.55
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	2	0.55
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	3	0.55
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	7	0.55
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	9	0.55
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	15	0.55
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	5	0.55
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	5	0.55
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	5	0.55
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	5	0.55
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	5	0.55
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	5	0.55
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	6	0.55
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	6	0.55
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	6	0.55
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	6	0.55
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	6	0.55
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	6	0.55
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	10	0.55
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	10	0.55
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	10	0.55
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	10	0.55
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	10	0.55
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	20	0.55
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	20	0.55
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	20	0.55
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	13	0.55
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	3	0.55
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	20	0.55
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	6	0.55
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	1	0.55
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	2	0.55
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	4	0.55
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	9	0.55
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	19	0.55
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	4	0.55
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	4	0.55
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	4	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	4	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	4	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	7	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	7	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	10	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	10	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	11	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	11	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	12	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	12	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	16	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	16	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	17	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	17	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	19	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	19	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	20	0.55
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	20	0.55
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	12	0.54
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	19	0.54
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	3	0.54
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	6	0.54
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	8	0.54
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	12	0.54
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	13	0.54
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	15	0.54
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	4	0.54
(1,4121)	1:419:A:GLY:H	1:418:A:VAL:HG21	19	0.54
(1,4121)	1:419:A:GLY:H	1:418:A:VAL:HG22	19	0.54
(1,4121)	1:419:A:GLY:H	1:418:A:VAL:HG23	19	0.54
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	2	0.54
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	8	0.54
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	9	0.54
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	16	0.54
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	17	0.54
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	9	0.54
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	4	0.54
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	20	0.54
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	8	0.54
(1,4035)	1:434:A:TRP:HE1	1:435:A:LYS:HG2	17	0.54
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	14	0.54
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	1	0.54
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	9	0.54
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	11	0.54
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	16	0.54
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	20	0.54
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	3	0.54
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	4	0.54
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	16	0.54
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	19	0.54
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	2	0.54
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	2	0.54
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	2	0.54
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	3	0.54
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	9	0.54
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	10	0.54
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	19	0.54
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	5	0.54
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	17	0.54
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	7	0.54
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	13	0.54
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	5	0.54
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	16	0.54
(1,3562)	1:425:A:TRP:H	1:424:A:ASP:H	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	9	0.54
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	13	0.54
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	11	0.54
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	3	0.54
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	8	0.54
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	11	0.54
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	13	0.54
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	14	0.54
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	16	0.54
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	17	0.54
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	20	0.54
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	4	0.54
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	5	0.54
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	11	0.54
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	13	0.54
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	8	0.54
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	8	0.54
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	8	0.54
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	8	0.54
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	8	0.54
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	8	0.54
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	6	0.54
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	6	0.54
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	9	0.54
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	9	0.54
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	10	0.54
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	10	0.54
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	18	0.54
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	18	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	2	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	3	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	4	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	5	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	7	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	9	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	10	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	11	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	12	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	14	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	15	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	17	0.54
(1,3421)	1:434:A:TRP:HH2	1:434:A:TRP:HE3	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	5	0.54
(1,3347)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	3	0.54
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	17	0.54
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	17	0.54
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	10	0.54
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	6	0.54
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	19	0.54
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	5	0.54
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	5	0.54
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	5	0.54
(1,3071)	1:407:A:VAL:HG21	1:411:A:MET:H	8	0.54
(1,3071)	1:407:A:VAL:HG22	1:411:A:MET:H	8	0.54
(1,3071)	1:407:A:VAL:HG23	1:411:A:MET:H	8	0.54
(1,2981)	1:393:A:LEU:HA	1:393:A:LEU:HD21	10	0.54
(1,2981)	1:393:A:LEU:HA	1:393:A:LEU:HD22	10	0.54
(1,2981)	1:393:A:LEU:HA	1:393:A:LEU:HD23	10	0.54
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	10	0.54
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	17	0.54
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	20	0.54
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	1	0.54
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	2	0.54
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	3	0.54
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	7	0.54
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	8	0.54
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	9	0.54
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	11	0.54
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	17	0.54
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	3	0.54
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	16	0.54
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	19	0.54
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	5	0.54
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	5	0.54
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	5	0.54
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	11	0.54
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	11	0.54
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	11	0.54
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	16	0.54
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	16	0.54
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	16	0.54
(1,2503)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	9	0.54
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	2	0.54
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	7	0.54
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	7	0.54
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	8	0.54
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	8	0.54
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	8	0.54
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	15	0.54
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	15	0.54
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	15	0.54
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	17	0.54
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	17	0.54
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	17	0.54
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	18	0.54
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	18	0.54
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	18	0.54
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	5	0.54
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	5	0.54
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	5	0.54
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	2	0.54
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	2	0.54
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	2	0.54
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	5	0.54
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	5	0.54
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	5	0.54
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	7	0.54
(1,2424)	1:389:A:GLU:HB2	1:389:A:GLU:H	11	0.54
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	7	0.54
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	10	0.54
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	15	0.54
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	16	0.54
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	18	0.54
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	2	0.54
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	2	0.54
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	2	0.54
(1,2389)	1:399:A:ASP:HB3	1:400:A:GLY:HA2	2	0.54
(1,2389)	1:399:A:ASP:HB3	1:400:A:GLY:HA2	3	0.54
(1,2389)	1:399:A:ASP:HB3	1:400:A:GLY:HA2	9	0.54
(1,2389)	1:399:A:ASP:HB3	1:400:A:GLY:HA2	14	0.54
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	15	0.54
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	7	0.54
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	11	0.54
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	12	0.54
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	19	0.54
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	20	0.54
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	8	0.54
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	10	0.54
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	12	0.54
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	19	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	2	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	3	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	4	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	8	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	9	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	11	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	13	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	14	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	15	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	16	0.54
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	17	0.54
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	6	0.54
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	18	0.54
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	2	0.54
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	13	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	2	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	2	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	2	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	6	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	6	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	6	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	14	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	14	0.54
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	14	0.54
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	2	0.54
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	2	0.54
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	2	0.54
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	4	0.54
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	4	0.54
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	4	0.54
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	5	0.54
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	5	0.54
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	5	0.54
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	8	0.54
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	8	0.54
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	13	0.54
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	13	0.54
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	13	0.54
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	18	0.54
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	18	0.54
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	18	0.54
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	9	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	1	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	2	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	3	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	4	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	5	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	8	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	9	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	11	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	12	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	13	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	15	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	18	0.54
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	20	0.54
(1,2112)	1:340:A:MET:HB2	1:340:A:MET:HG3	15	0.54
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	4	0.54
(1,1989)	1:372:A:LYS:HG3	1:372:A:LYS:HD2	20	0.54
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	9	0.54
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	9	0.54
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	9	0.54
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	9	0.54
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	9	0.54
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	9	0.54
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	9	0.54
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	9	0.54
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	9	0.54
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	12	0.54
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	12	0.54
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	12	0.54
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	12	0.54
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	12	0.54
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	12	0.54
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	12	0.54
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	12	0.54
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	12	0.54
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	15	0.54
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	15	0.54
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	16	0.54
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	16	0.54
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	16	0.54
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	2	0.54
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	7	0.54
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	11	0.54
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	12	0.54
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	13	0.54
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	16	0.54
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	20	0.54
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	8	0.54
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	14	0.54
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	1	0.54
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	6	0.54
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	20	0.54
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	7	0.54
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	7	0.54
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	7	0.54
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	9	0.54
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	9	0.54
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	9	0.54
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	1	0.54
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	2	0.54
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	3	0.54
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	4	0.54
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	5	0.54
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	7	0.54
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	8	0.54
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	14	0.54
(1,1551)	1:354:A:MET:HB3	1:354:A:MET:HG3	15	0.54
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	4	0.54
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	19	0.54
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	15	0.54
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	15	0.54
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	15	0.54
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	16	0.54
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	16	0.54
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	16	0.54
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	18	0.54
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	18	0.54
(1,1495)	1:448:A:SER:HB2	1:448:A:SER:H	12	0.54
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	9	0.54
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	18	0.54
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	8	0.54
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	12	0.54
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	13	0.54
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	10	0.54
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	10	0.54
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	10	0.54
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	15	0.54
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	15	0.54
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	15	0.54
(1,1362)	1:428:A:GLU:HB2	1:428:A:GLU:HG3	7	0.54
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	3	0.54
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	4	0.54
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	5	0.54
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	10	0.54
(1,1355)	1:357:A:TYR:HB2	1:357:A:TYR:HA	14	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	1	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	2	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	4	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	5	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	7	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	9	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	10	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	11	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	14	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	15	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	16	0.54
(1,1281)	1:455:A:GLY:HA3	1:455:A:GLY:H	18	0.54
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	1	0.54
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	8	0.54
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	9	0.54
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	15	0.54
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	14	0.54
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	9	0.54
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	12	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	1	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	1	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	1	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	3	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	3	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	9	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	9	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	9	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	20	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	20	0.54
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	20	0.54
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	3	0.54
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	3	0.54
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	3	0.54
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	7	0.54
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	7	0.54
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	7	0.54
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	5	0.54
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	11	0.54
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	12	0.54
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	14	0.54
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	15	0.54
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	20	0.54
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	2	0.54
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	3	0.54
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	20	0.54
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	13	0.54
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	13	0.54
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	13	0.54
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	17	0.54
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	17	0.54
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	17	0.54
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	5	0.54
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	5	0.54
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	5	0.54
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	12	0.54
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	17	0.54
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	4	0.54
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	4	0.54
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	4	0.54
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE1	5	0.54
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE2	5	0.54
(1,910)	1:456:A:MET:HG3	1:456:A:MET:HE3	5	0.54
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	11	0.54
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	17	0.54
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	17	0.54
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	20	0.54
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	20	0.54
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	20	0.54
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	3	0.54
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	1	0.54
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	3	0.54
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	7	0.54
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	8	0.54
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	9	0.54
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	12	0.54
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	14	0.54
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	17	0.54
(1,800)	1:435:A:LYS:HA	1:435:A:LYS:H	20	0.54
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	5	0.54
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	11	0.54
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	12	0.54
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	14	0.54
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	15	0.54
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	20	0.54
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	9	0.54
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	9	0.54
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	9	0.54
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	3	0.54
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	6	0.54
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	10	0.54
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	11	0.54
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	14	0.54
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	16	0.54
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	6	0.54
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	8	0.54
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	12	0.54
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	17	0.54
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	3	0.54
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	10	0.54
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	9	0.54
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	12	0.54
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	12	0.54
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	12	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	1	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	3	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	4	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	5	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	6	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	7	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	8	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	9	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	10	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	11	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	12	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	13	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	14	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	15	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	16	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	17	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	18	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	19	0.54
(1,412)	1:456:A:MET:HA	1:456:A:MET:HB3	20	0.54
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	1	0.54
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	17	0.54
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	5	0.54
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	8	0.54
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	10	0.54
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	3	0.54
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	3	0.54
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	3	0.54
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	3	0.54
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	3	0.54
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	3	0.54
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	18	0.54
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	18	0.54
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	18	0.54
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	18	0.54
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	18	0.54
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	18	0.54
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	20	0.54
(1,319)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	20	0.54
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	20	0.54
(1,319)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	20	0.54
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	20	0.54
(1,319)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	20	0.54
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	7	0.54
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	10	0.54
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	15	0.54
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	16	0.54
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	18	0.54
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	5	0.54
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	5	0.54
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	5	0.54
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	13	0.54
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	13	0.54
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	13	0.54
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	14	0.54
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	14	0.54
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	14	0.54
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD1	5	0.54
(1,4)	1:357:A:TYR:HA	1:357:A:TYR:HD2	5	0.54
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	15	0.53
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	7	0.53
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	20	0.53
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	2	0.53
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	5	0.53
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	14	0.53
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	17	0.53
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	20	0.53
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	1	0.53
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	1	0.53
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	3	0.53
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	7	0.53
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	13	0.53
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	15	0.53
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	19	0.53
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	1	0.53
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	6	0.53
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	8	0.53
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	9	0.53
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	10	0.53
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	16	0.53
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	19	0.53
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	20	0.53
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	4	0.53
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	6	0.53
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	14	0.53
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	17	0.53
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	13	0.53
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	14	0.53
(1,4040)	1:355:A:TRP:H	1:355:A:TRP:HE3	15	0.53
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	5	0.53
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	15	0.53
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	8	0.53
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	9	0.53
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	20	0.53
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	15	0.53
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	1	0.53
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	8	0.53
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	9	0.53
(1,3883)	1:408:A:ASN:H	1:408:A:ASN:HB2	13	0.53
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	8	0.53
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	8	0.53
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	8	0.53
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	18	0.53
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	18	0.53
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	18	0.53
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	11	0.53
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	12	0.53
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	13	0.53
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	16	0.53
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	17	0.53
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	20	0.53
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	1	0.53
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	10	0.53
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	11	0.53
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	15	0.53
(1,3677)	1:382:A:PHE:H	1:381:A:VAL:HA	20	0.53
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	16	0.53
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	13	0.53
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	15	0.53
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	4	0.53
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	8	0.53
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	11	0.53
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	14	0.53
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	15	0.53
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	19	0.53
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	17	0.53
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	18	0.53
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	7	0.53
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	3	0.53
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	1	0.53
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	7	0.53
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	8	0.53
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	15	0.53
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	7	0.53
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	10	0.53
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	14	0.53
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	18	0.53
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	7	0.53
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	9	0.53
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	19	0.53
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	2	0.53
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	9	0.53
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	11	0.53
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	12	0.53
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	17	0.53
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	16	0.53
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	20	0.53
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	13	0.53
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	20	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	2	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	2	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	2	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	2	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	2	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	2	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	6	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	6	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	6	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	6	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	6	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	6	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	9	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	9	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	9	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	9	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	9	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	12	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	12	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	12	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	12	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	12	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	12	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	15	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	15	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	15	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	15	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	15	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	15	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	16	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	16	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	16	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	16	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	16	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	16	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	19	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	19	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	19	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	19	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	19	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	19	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	20	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	20	0.53
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	20	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	20	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	20	0.53
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	20	0.53
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	4	0.53
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	4	0.53
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	7	0.53
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	7	0.53
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	14	0.53
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	14	0.53
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	8	0.53
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	8	0.53
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	8	0.53
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	8	0.53
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	8	0.53
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	8	0.53
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	8	0.53
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	2	0.53
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	2	0.53
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	20	0.53
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	20	0.53
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	1	0.53
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	14	0.53
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	7	0.53
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	13	0.53
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	15	0.53
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	1	0.53
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	7	0.53
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	10	0.53
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	18	0.53
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	17	0.53
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	1	0.53
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	9	0.53
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	9	0.53
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	9	0.53
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	18	0.53
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	9	0.53
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	9	0.53
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	9	0.53
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	9	0.53
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	20	0.53
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	20	0.53
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	20	0.53
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	3	0.53
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	17	0.53
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	10	0.53
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	11	0.53
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	12	0.53
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	2	0.53
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	10	0.53
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	8	0.53
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	8	0.53
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	8	0.53
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	18	0.53
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	18	0.53
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	18	0.53
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	14	0.53
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	15	0.53
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	16	0.53
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	19	0.53
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	20	0.53
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	19	0.53
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	6	0.53
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	17	0.53
(1,2782)	1:399:A:ASP:HA	1:399:A:ASP:HB3	3	0.53
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	11	0.53
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	5	0.53
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	5	0.53
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	5	0.53
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	1	0.53
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	12	0.53
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	2	0.53
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	2	0.53
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	2	0.53
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	4	0.53
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	4	0.53
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	4	0.53
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	6	0.53
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	6	0.53
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	6	0.53
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	8	0.53
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	8	0.53
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	8	0.53
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	9	0.53
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	9	0.53
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	9	0.53
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	13	0.53
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	13	0.53
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	13	0.53
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	16	0.53
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	16	0.53
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	16	0.53
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	19	0.53
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	19	0.53
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	19	0.53
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	13	0.53
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	14	0.53
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	11	0.53
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	11	0.53
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	17	0.53
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	17	0.53
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	17	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	2	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	3	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	5	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	6	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	7	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	9	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	10	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	11	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	13	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	15	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	18	0.53
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	20	0.53
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	1	0.53
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	1	0.53
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	1	0.53
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	6	0.53
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	6	0.53
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	6	0.53
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	12	0.53
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	12	0.53
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	12	0.53
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	13	0.53
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	13	0.53
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	13	0.53
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	4	0.53
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	4	0.53
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	4	0.53
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	12	0.53
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	12	0.53
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	12	0.53
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	8	0.53
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	1	0.53
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	3	0.53
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	5	0.53
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	6	0.53
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	7	0.53
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	10	0.53
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	12	0.53
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	15	0.53
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	20	0.53
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	3	0.53
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	6	0.53
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	11	0.53
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	12	0.53
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	12	0.53
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	12	0.53
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	16	0.53
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	16	0.53
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	16	0.53
(1,2389)	1:399:A:ASP:HB3	1:400:A:GLY:HA2	15	0.53
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	16	0.53
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	4	0.53
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	4	0.53
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	4	0.53
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	5	0.53
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	5	0.53
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	5	0.53
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	18	0.53
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	18	0.53
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	18	0.53
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	2	0.53
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	4	0.53
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	8	0.53
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	10	0.53
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	17	0.53
(1,2312)	1:365:A:GLU:HB3	1:365:A:GLU:H	2	0.53
(1,2310)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	10	0.53
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	5	0.53
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	16	0.53
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	1	0.53
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	5	0.53
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	8	0.53
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	10	0.53
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	5	0.53
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	5	0.53
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	5	0.53
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	8	0.53
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	8	0.53
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	17	0.53
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	17	0.53
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	17	0.53
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	1	0.53
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	1	0.53
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	1	0.53
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	3	0.53
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	3	0.53
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	3	0.53
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	7	0.53
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	7	0.53
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	7	0.53
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	12	0.53
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	12	0.53
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	12	0.53
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	6	0.53
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	16	0.53
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	17	0.53
(1,2141)	1:356:A:TYR:HB3	1:357:A:TYR:H	19	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	1	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	2	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	3	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	5	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	7	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	9	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	11	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	12	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	13	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	14	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	15	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	18	0.53
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	20	0.53
(1,2043)	1:413:A:ILE:HG21	1:463:A:VAL:HB	1	0.53
(1,2043)	1:413:A:ILE:HG22	1:463:A:VAL:HB	1	0.53
(1,2043)	1:413:A:ILE:HG23	1:463:A:VAL:HB	1	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	1	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	1	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	1	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	1	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	1	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	1	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	1	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	1	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	2	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	2	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	2	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	2	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	2	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	2	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	2	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	2	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	2	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	4	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	4	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	4	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	4	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	4	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	4	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	4	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	4	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	4	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	5	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	5	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	5	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	5	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	5	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	5	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	5	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	5	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	5	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	11	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	11	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	11	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	11	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	11	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	11	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	11	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	11	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	11	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	13	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	13	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	13	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	13	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	13	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	13	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	13	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	13	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	15	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	15	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	15	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	15	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	15	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	15	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	15	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	15	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	15	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	16	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	16	0.53
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	16	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	16	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	16	0.53
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	16	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	16	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	16	0.53
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	16	0.53
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	7	0.53
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	7	0.53
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	7	0.53
(1,1963)	1:369:A:VAL:HG11	1:370:A:SER:H	13	0.53
(1,1963)	1:369:A:VAL:HG12	1:370:A:SER:H	13	0.53
(1,1963)	1:369:A:VAL:HG13	1:370:A:SER:H	13	0.53
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD21	5	0.53
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD22	5	0.53
(1,1907)	1:452:A:GLU:HB3	1:453:A:LEU:HD23	5	0.53
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	3	0.53
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	3	0.53
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	3	0.53
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	10	0.53
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	15	0.53
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	1	0.53
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	6	0.53
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	18	0.53
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	18	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	18	0.53
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	15	0.53
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	3	0.53
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	5	0.53
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	7	0.53
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	10	0.53
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	12	0.53
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	13	0.53
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	14	0.53
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	18	0.53
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	13	0.53
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	13	0.53
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	13	0.53
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	3	0.53
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	6	0.53
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	20	0.53
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	2	0.53
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	2	0.53
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	2	0.53
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	4	0.53
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	4	0.53
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	4	0.53
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	5	0.53
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	5	0.53
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	5	0.53
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	8	0.53
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	8	0.53
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	8	0.53
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	11	0.53
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	11	0.53
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	11	0.53
(1,1399)	1:413:A:ILE:HG21	1:413:A:ILE:HG12	14	0.53
(1,1399)	1:413:A:ILE:HG22	1:413:A:ILE:HG12	14	0.53
(1,1399)	1:413:A:ILE:HG23	1:413:A:ILE:HG12	14	0.53
(1,1369)	1:387:A:LYS:HD2	1:387:A:LYS:HE2	16	0.53
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	6	0.53
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	11	0.53
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	1	0.53
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	3	0.53
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	16	0.53
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	17	0.53
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	2	0.53
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	3	0.53
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	10	0.53
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	16	0.53
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	17	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	5	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	5	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	5	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	12	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	12	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	12	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	16	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	16	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	16	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	18	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	18	0.53
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	18	0.53
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	10	0.53
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	10	0.53
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	10	0.53
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	18	0.53
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	18	0.53
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	18	0.53
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	10	0.53
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	6	0.53
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	15	0.53
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	13	0.53
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	13	0.53
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	13	0.53
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	7	0.53
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	5	0.53
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	5	0.53
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	5	0.53
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	4	0.53
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	4	0.53
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	4	0.53
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	5	0.53
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	8	0.53
(1,911)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	20	0.53
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	16	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	4	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	4	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	5	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	5	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	5	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	11	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	11	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	11	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	12	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	12	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	12	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	15	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	15	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	15	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	18	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	18	0.53
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	18	0.53
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	1	0.53
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	1	0.53
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	1	0.53
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	6	0.53
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	3	0.53
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	3	0.53
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	3	0.53
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	5	0.53
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	5	0.53
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	5	0.53
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	11	0.53
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	6	0.53
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	6	0.53
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	6	0.53
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	18	0.53
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	18	0.53
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	18	0.53
(1,509)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	7	0.53
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	17	0.53
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	4	0.53
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	11	0.53
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	14	0.53
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	4	0.53
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	1	0.53
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	2	0.53
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	7	0.53
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	7	0.53
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	9	0.53
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	9	0.53
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	9	0.53
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	11	0.53
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	11	0.53
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	11	0.53
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	18	0.53
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	18	0.53
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	18	0.53
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	6	0.53
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE1	19	0.53
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE2	19	0.53
(1,443)	1:450:A:MET:HG3	1:450:A:MET:HE3	19	0.53
(1,421)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	7	0.53
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	8	0.53
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	11	0.53
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	5	0.53
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	5	0.53
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	5	0.53
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	7	0.53
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	7	0.53
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	7	0.53
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	11	0.53
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	11	0.53
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	11	0.53
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	15	0.53
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	15	0.53
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	15	0.53
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	16	0.53
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	16	0.53
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	16	0.53
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	20	0.53
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	20	0.53
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	20	0.53
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	18	0.53
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	3	0.53
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	3	0.53
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	6	0.53
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	11	0.53
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	1	0.52
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	4	0.52
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	19	0.52
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	19	0.52
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	19	0.52
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	1	0.52
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	9	0.52
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	10	0.52
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	16	0.52
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	18	0.52
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	19	0.52
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	6	0.52
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	12	0.52
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	18	0.52
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	20	0.52
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	2	0.52
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	3	0.52
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	5	0.52
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	7	0.52
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	11	0.52
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	12	0.52
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	13	0.52
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	17	0.52
(1,4077)	1:452:A:GLU:H	1:451:A:LYS:H	14	0.52
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	1	0.52
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	2	0.52
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	10	0.52
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	16	0.52
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	2	0.52
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	3	0.52
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	7	0.52
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	8	0.52
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	9	0.52
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	17	0.52
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	18	0.52
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	4	0.52
(1,3928)	1:374:A:THR:H	1:373:A:PRO:HB2	14	0.52
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	14	0.52
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	11	0.52
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	11	0.52
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	11	0.52
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG21	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG22	14	0.52
(1,3821)	1:374:A:THR:H	1:374:A:THR:HG23	14	0.52
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	7	0.52
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	6	0.52
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	16	0.52
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	2	0.52
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	14	0.52
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	7	0.52
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	7	0.52
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	7	0.52
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	5	0.52
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	3	0.52
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	6	0.52
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	1	0.52
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	2	0.52
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	3	0.52
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	5	0.52
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	6	0.52
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	7	0.52
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	9	0.52
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	13	0.52
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	16	0.52
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	17	0.52
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	3	0.52
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	6	0.52
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	15	0.52
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	19	0.52
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	13	0.52
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	14	0.52
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	18	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	2	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	3	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	4	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	5	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	9	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	10	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	11	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	12	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	14	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	16	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	17	0.52
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	20	0.52
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	1	0.52
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	2	0.52
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	4	0.52
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	5	0.52
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	8	0.52
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	9	0.52
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	13	0.52
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	15	0.52
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	3	0.52
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	8	0.52
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	10	0.52
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	18	0.52
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	20	0.52
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	12	0.52
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	11	0.52
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	11	0.52
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	11	0.52
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	11	0.52
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	11	0.52
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	11	0.52
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	17	0.52
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	17	0.52
(1,3424)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	17	0.52
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	17	0.52
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	17	0.52
(1,3424)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	17	0.52
(1,3349)	1:466:A:PHE:HE1	1:346:A:GLU:HG2	11	0.52
(1,3349)	1:466:A:PHE:HE2	1:346:A:GLU:HG2	11	0.52
(1,3349)	1:466:A:PHE:HE1	1:346:A:GLU:HG2	12	0.52
(1,3349)	1:466:A:PHE:HE2	1:346:A:GLU:HG2	12	0.52
(1,3349)	1:466:A:PHE:HE1	1:346:A:GLU:HG2	17	0.52
(1,3349)	1:466:A:PHE:HE2	1:346:A:GLU:HG2	17	0.52
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	18	0.52
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	18	0.52
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	19	0.52
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	19	0.52
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	8	0.52
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	9	0.52
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	16	0.52
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	19	0.52
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	2	0.52
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	8	0.52
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	10	0.52
(1,3034)	1:413:A:ILE:HD11	1:382:A:PHE:HB3	15	0.52
(1,3034)	1:413:A:ILE:HD12	1:382:A:PHE:HB3	15	0.52
(1,3034)	1:413:A:ILE:HD13	1:382:A:PHE:HB3	15	0.52
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	8	0.52
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	8	0.52
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	8	0.52
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	15	0.52
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	15	0.52
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	15	0.52
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	2	0.52
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	4	0.52
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	6	0.52
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	9	0.52
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	2	0.52
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	4	0.52
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	6	0.52
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	9	0.52
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	8	0.52
(1,2939)	1:358:A:LYS:HE2	1:358:A:LYS:HB2	20	0.52
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	17	0.52
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	10	0.52
(1,2874)	1:376:A:PRO:HB3	1:375:A:THR:HA	13	0.52
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	11	0.52
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	11	0.52
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	11	0.52
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	12	0.52
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	12	0.52
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	12	0.52
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	17	0.52
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	17	0.52
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	17	0.52
(1,2782)	1:399:A:ASP:HA	1:399:A:ASP:HB3	2	0.52
(1,2782)	1:399:A:ASP:HA	1:399:A:ASP:HB3	14	0.52
(1,2782)	1:399:A:ASP:HA	1:399:A:ASP:HB3	15	0.52
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	1	0.52
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	2	0.52
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	3	0.52
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	8	0.52
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	20	0.52
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	15	0.52
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	15	0.52
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	15	0.52
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	9	0.52
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	1	0.52
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	1	0.52
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	1	0.52
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	1	0.52
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	3	0.52
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	3	0.52
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	3	0.52
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	7	0.52
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	7	0.52
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	7	0.52
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	12	0.52
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	12	0.52
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	12	0.52
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	14	0.52
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	14	0.52
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	14	0.52
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	15	0.52
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	15	0.52
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	15	0.52
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	17	0.52
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	17	0.52
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	17	0.52
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	20	0.52
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	20	0.52
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	20	0.52
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	12	0.52
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	12	0.52
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	12	0.52
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	9	0.52
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	10	0.52
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	1	0.52
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	4	0.52
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	8	0.52
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	12	0.52
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	14	0.52
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	17	0.52
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	19	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	10	0.52
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	20	0.52
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	4	0.52
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	1	0.52
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	1	0.52
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	1	0.52
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	4	0.52
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	4	0.52
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	4	0.52
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	7	0.52
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	2	0.52
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	4	0.52
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	9	0.52
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	11	0.52
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	13	0.52
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	16	0.52
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	17	0.52
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	18	0.52
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	19	0.52
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	20	0.52
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	20	0.52
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	20	0.52
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	3	0.52
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	1	0.52
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	1	0.52
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	1	0.52
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	2	0.52
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	2	0.52
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	2	0.52
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	7	0.52
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	7	0.52
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	7	0.52
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	8	0.52
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	8	0.52
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	8	0.52
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	10	0.52
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	10	0.52
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	10	0.52
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	13	0.52
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	13	0.52
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	13	0.52
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	16	0.52
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	16	0.52
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	17	0.52
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	17	0.52
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	17	0.52
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	19	0.52
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	19	0.52
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	19	0.52
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	9	0.52
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	18	0.52
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	3	0.52
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	13	0.52
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	14	0.52
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	16	0.52
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	17	0.52
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	20	0.52
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	19	0.52
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	3	0.52
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	6	0.52
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	17	0.52
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	5	0.52
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	7	0.52
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	20	0.52
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	20	0.52
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	20	0.52
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	3	0.52
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	12	0.52
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	6	0.52
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	6	0.52
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	6	0.52
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	9	0.52
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	9	0.52
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	9	0.52
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	15	0.52
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	15	0.52
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	15	0.52
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	16	0.52
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	16	0.52
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	16	0.52
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	17	0.52
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	17	0.52
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	20	0.52
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	20	0.52
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	20	0.52
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	5	0.52
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	20	0.52
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	6	0.52
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	8	0.52
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	16	0.52
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	17	0.52
(1,2098)	1:403:A:TYR:HB3	1:403:A:TYR:HA	19	0.52
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	20	0.52
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	20	0.52
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	20	0.52
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	20	0.52
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	20	0.52
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	20	0.52
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	20	0.52
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	20	0.52
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	20	0.52
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	11	0.52
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	15	0.52
(1,1876)	1:339:A:HIS:HB3	1:340:A:MET:HB2	4	0.52
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	2	0.52
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	4	0.52
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	9	0.52
(1,1775)	1:457:A:VAL:HB	1:458:A:GLU:H	5	0.52
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	9	0.52
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	10	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	2	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	2	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	2	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	4	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	4	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	4	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	8	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	8	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	8	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	10	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	10	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	10	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	12	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	12	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	13	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	13	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	13	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	14	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	14	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	14	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	15	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	15	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	15	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	17	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	17	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	17	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	20	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	20	0.52
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	20	0.52
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	5	0.52
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	8	0.52
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	16	0.52
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	1	0.52
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	2	0.52
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	8	0.52
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	20	0.52
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	20	0.52
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	20	0.52
(1,1495)	1:448:A:SER:HB2	1:448:A:SER:H	16	0.52
(1,1495)	1:448:A:SER:HB2	1:448:A:SER:H	17	0.52
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	11	0.52
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	12	0.52
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	20	0.52
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	5	0.52
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	6	0.52
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	10	0.52
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	2	0.52
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	3	0.52
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	7	0.52
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	9	0.52
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	11	0.52
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	12	0.52
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	7	0.52
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	4	0.52
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	8	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	8	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	8	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	10	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	10	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	10	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	11	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	11	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	11	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	17	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	17	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	17	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	19	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	19	0.52
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	19	0.52
(1,1095)	1:432:A:ASP:HB2	1:432:A:ASP:HA	6	0.52
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG21	20	0.52
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG22	20	0.52
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG23	20	0.52
(1,942)	1:437:A:ARG:HB3	1:437:A:ARG:HA	9	0.52
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	4	0.52
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	4	0.52
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	4	0.52
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	14	0.52
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	14	0.52
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	14	0.52
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	2	0.52
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	2	0.52
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	2	0.52
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	8	0.52
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	8	0.52
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	8	0.52
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	9	0.52
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	9	0.52
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	9	0.52
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	12	0.52
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	12	0.52
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	12	0.52
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	13	0.52
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	13	0.52
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	13	0.52
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	3	0.52
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	10	0.52
(1,881)	1:462:A:PRO:HG2	1:344:A:TYR:HB2	1	0.52
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	3	0.52
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	3	0.52
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	3	0.52
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	14	0.52
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	14	0.52
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	14	0.52
(1,841)	1:372:A:LYS:HB2	1:373:A:PRO:HD3	9	0.52
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	18	0.52
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	18	0.52
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	18	0.52
(1,729)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	15	0.52
(1,653)	1:345:A:ILE:HG21	1:346:A:GLU:H	1	0.52
(1,653)	1:345:A:ILE:HG22	1:346:A:GLU:H	1	0.52
(1,653)	1:345:A:ILE:HG23	1:346:A:GLU:H	1	0.52
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	4	0.52
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	6	0.52
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	15	0.52
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	9	0.52
(1,625)	1:432:A:ASP:HA	1:432:A:ASP:HB2	6	0.52
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	3	0.52
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	3	0.52
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	3	0.52
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	7	0.52
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	7	0.52
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	7	0.52
(1,513)	1:370:A:SER:HB2	1:370:A:SER:HA	5	0.52
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	15	0.52
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	3	0.52
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	3	0.52
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	3	0.52
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	3	0.52
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	5	0.52
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	5	0.52
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	5	0.52
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	10	0.52
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	10	0.52
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	10	0.52
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	15	0.52
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	15	0.52
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	16	0.52
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	16	0.52
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	16	0.52
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	17	0.52
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	17	0.52
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	17	0.52
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	20	0.52
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	20	0.52
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	20	0.52
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	12	0.52
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	3	0.52
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	3	0.52
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	3	0.52
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	4	0.52
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	4	0.52
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	4	0.52
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	20	0.52
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	20	0.52
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	20	0.52
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	8	0.52
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	8	0.52
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	8	0.52
(1,381)	1:459:A:LYS:HD2	1:459:A:LYS:HG3	14	0.52
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	6	0.52
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	14	0.52
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	13	0.52
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	13	0.52
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	13	0.52
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	4	0.52
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	6	0.52
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	15	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	1	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	1	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	1	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	2	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	2	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	2	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	3	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	3	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	3	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	4	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	4	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	6	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	6	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	6	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	8	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	8	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	8	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	9	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	9	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	9	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	10	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	10	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	10	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	12	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	12	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	12	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	13	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	13	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	13	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	14	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	14	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	14	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	17	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	17	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	17	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	18	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	18	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	18	0.52
(1,273)	1:465:A:VAL:HG21	1:465:A:VAL:HB	19	0.52
(1,273)	1:465:A:VAL:HG22	1:465:A:VAL:HB	19	0.52
(1,273)	1:465:A:VAL:HG23	1:465:A:VAL:HB	19	0.52
(1,258)	1:393:A:LEU:HA	1:394:A:LYS:H	10	0.52
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	11	0.52
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	17	0.52
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	19	0.52
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	19	0.52
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	11	0.52
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	11	0.52
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	11	0.52
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	15	0.52
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	15	0.52
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	2	0.52
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	11	0.52
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	11	0.51
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	5	0.51
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	20	0.51
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	20	0.51
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	20	0.51
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	5	0.51
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	12	0.51
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	18	0.51
(1,4138)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	4	0.51
(1,4104)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	5	0.51
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	14	0.51
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	19	0.51
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	4	0.51
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	6	0.51
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	10	0.51
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	11	0.51
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	12	0.51
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	14	0.51
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	19	0.51
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	20	0.51
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	5	0.51
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	14	0.51
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	15	0.51
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	15	0.51
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	16	0.51
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	7	0.51
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	14	0.51
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	19	0.51
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	9	0.51
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	20	0.51
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	19	0.51
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	18	0.51
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	18	0.51
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	18	0.51
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	20	0.51
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	7	0.51
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	14	0.51
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	12	0.51
(1,3570)	1:393:A:LEU:H	1:393:A:LEU:HA	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	4	0.51
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	11	0.51
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	12	0.51
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	13	0.51
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	5	0.51
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	9	0.51
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	15	0.51
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	16	0.51
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	6	0.51
(1,3524)	1:357:A:TYR:H	1:357:A:TYR:HB2	19	0.51
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	3	0.51
(1,3516)	1:349:A:LEU:H	1:348:A:ASP:HA	6	0.51
(1,3505)	1:408:A:ASN:HD21	1:408:A:ASN:HA	11	0.51
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	1	0.51
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	6	0.51
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	6	0.51
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	17	0.51
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	15	0.51
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	1	0.51
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	1	0.51
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	2	0.51
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	2	0.51
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	3	0.51
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	3	0.51
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	5	0.51
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	5	0.51
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	8	0.51
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	8	0.51
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	11	0.51
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	11	0.51
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	12	0.51
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	12	0.51
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	13	0.51
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	13	0.51
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	15	0.51
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	15	0.51
(1,3422)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	19	0.51
(1,3422)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	19	0.51
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	1	0.51
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	1	0.51
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	17	0.51
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	17	0.51
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	17	0.51
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	17	0.51
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	17	0.51
(1,3349)	1:466:A:PHE:HE1	1:346:A:GLU:HG2	16	0.51
(1,3349)	1:466:A:PHE:HE2	1:346:A:GLU:HG2	16	0.51
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	4	0.51
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	4	0.51
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	6	0.51
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	6	0.51
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	10	0.51
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	10	0.51
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	13	0.51
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	13	0.51
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	13	0.51
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	4	0.51
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	15	0.51
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	16	0.51
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	16	0.51
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	16	0.51
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	16	0.51
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	16	0.51
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	16	0.51
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	5	0.51
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	5	0.51
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	1	0.51
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	3	0.51
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	4	0.51
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	6	0.51
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	14	0.51
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	18	0.51
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	5	0.51
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	12	0.51
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	13	0.51
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	15	0.51
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	16	0.51
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	17	0.51
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	20	0.51
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	3	0.51
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	9	0.51
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	12	0.51
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	8	0.51
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	8	0.51
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	2	0.51
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	2	0.51
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	2	0.51
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	12	0.51
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	12	0.51
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	12	0.51
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	13	0.51
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	13	0.51
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	13	0.51
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	10	0.51
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	13	0.51
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	16	0.51
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	17	0.51
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	19	0.51
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	19	0.51
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	19	0.51
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	1	0.51
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	5	0.51
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	11	0.51
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	15	0.51
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	19	0.51
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	10	0.51
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	1	0.51
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	16	0.51
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	16	0.51
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	16	0.51
(1,2782)	1:399:A:ASP:HA	1:399:A:ASP:HB3	9	0.51
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	4	0.51
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	5	0.51
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	6	0.51
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	7	0.51
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	9	0.51
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	14	0.51
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	16	0.51
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	17	0.51
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	19	0.51
(1,2705)	1:367:A:ASP:HA	1:367:A:ASP:HB3	16	0.51
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	15	0.51
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	3	0.51
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	5	0.51
(1,2647)	1:407:A:VAL:HG21	1:407:A:VAL:HA	18	0.51
(1,2647)	1:407:A:VAL:HG22	1:407:A:VAL:HA	18	0.51
(1,2647)	1:407:A:VAL:HG23	1:407:A:VAL:HA	18	0.51
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	17	0.51
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	2	0.51
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	2	0.51
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	2	0.51
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	6	0.51
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	6	0.51
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	6	0.51
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	17	0.51
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	17	0.51
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	17	0.51
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	3	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	2	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	2	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	2	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	4	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	4	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	4	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	6	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	6	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	6	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	19	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	19	0.51
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	19	0.51
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	16	0.51
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	16	0.51
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	16	0.51
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	20	0.51
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	20	0.51
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	20	0.51
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	17	0.51
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	9	0.51
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	9	0.51
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	9	0.51
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	10	0.51
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	10	0.51
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	10	0.51
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	11	0.51
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	11	0.51
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	15	0.51
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	15	0.51
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	15	0.51
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	17	0.51
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	17	0.51
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	17	0.51
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	18	0.51
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	18	0.51
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	18	0.51
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	20	0.51
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	20	0.51
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	20	0.51
(1,2509)	1:445:A:THR:HB	1:445:A:THR:HA	16	0.51
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	1	0.51
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	15	0.51
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	20	0.51
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	20	0.51
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	20	0.51
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	17	0.51
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	17	0.51
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	17	0.51
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	16	0.51
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	16	0.51
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	16	0.51
(1,2462)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	5	0.51
(1,2462)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	10	0.51
(1,2462)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	11	0.51
(1,2462)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	20	0.51
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	11	0.51
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	11	0.51
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	11	0.51
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	11	0.51
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	11	0.51
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	11	0.51
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	16	0.51
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	16	0.51
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	16	0.51
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	16	0.51
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	16	0.51
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	16	0.51
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	20	0.51
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	1	0.51
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	1	0.51
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	1	0.51
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	3	0.51
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	3	0.51
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	3	0.51
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	6	0.51
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	6	0.51
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	6	0.51
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	7	0.51
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	7	0.51
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	7	0.51
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	9	0.51
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	9	0.51
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	9	0.51
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	7	0.51
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	6	0.51
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	6	0.51
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	6	0.51
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	9	0.51
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	9	0.51
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	9	0.51
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	14	0.51
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	14	0.51
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	14	0.51
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	15	0.51
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	15	0.51
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	15	0.51
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	20	0.51
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	20	0.51
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	20	0.51
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	1	0.51
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	4	0.51
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	5	0.51
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	6	0.51
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	7	0.51
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	9	0.51
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	11	0.51
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	15	0.51
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	18	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	2	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	5	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	7	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	8	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	9	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	10	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	11	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	12	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	13	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	15	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	18	0.51
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	19	0.51
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	3	0.51
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	8	0.51
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	11	0.51
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	13	0.51
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	16	0.51
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	17	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	1	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	1	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	1	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	2	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	2	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	2	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	3	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	3	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	3	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	5	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	5	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	5	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	6	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	6	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	6	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	7	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	7	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	7	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	8	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	8	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	8	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	10	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	10	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	11	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	11	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	11	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	12	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	12	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	12	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	13	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	13	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	13	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	14	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	14	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	14	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	16	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	16	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	16	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	17	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	17	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	17	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	19	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	19	0.51
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	19	0.51
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	19	0.51
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	3	0.51
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	3	0.51
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	3	0.51
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	9	0.51
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	9	0.51
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	9	0.51
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	11	0.51
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	11	0.51
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	11	0.51
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	14	0.51
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	14	0.51
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	14	0.51
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	2	0.51
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	6	0.51
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	10	0.51
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	12	0.51
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	13	0.51
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	16	0.51
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	17	0.51
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	17	0.51
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	17	0.51
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	17	0.51
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	17	0.51
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	17	0.51
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	17	0.51
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	17	0.51
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	17	0.51
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	12	0.51
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	2	0.51
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	5	0.51
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	11	0.51
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	13	0.51
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	14	0.51
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	15	0.51
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	16	0.51
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	18	0.51
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	20	0.51
(1,1703)	1:446:A:PRO:HA	1:447:A:PRO:HD2	7	0.51
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	3	0.51
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	3	0.51
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	3	0.51
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	1	0.51
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	1	0.51
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	1	0.51
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	5	0.51
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	5	0.51
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	5	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	1	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	3	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	4	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	7	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	11	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	14	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	17	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	18	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	19	0.51
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	20	0.51
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	6	0.51
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	11	0.51
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	15	0.51
(1,1532)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	16	0.51
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	3	0.51
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	10	0.51
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	12	0.51
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	15	0.51
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	17	0.51
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	6	0.51
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	10	0.51
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	11	0.51
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	12	0.51
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	13	0.51
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	16	0.51
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	17	0.51
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	18	0.51
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	19	0.51
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	20	0.51
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	14	0.51
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	14	0.51
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	14	0.51
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	16	0.51
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	4	0.51
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	5	0.51
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	13	0.51
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	15	0.51
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	16	0.51
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	17	0.51
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	19	0.51
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	20	0.51
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	2	0.51
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	5	0.51
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	13	0.51
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	20	0.51
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	8	0.51
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	13	0.51
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	13	0.51
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	13	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	2	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	5	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	7	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	8	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	10	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	12	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	13	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	15	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	16	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	18	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	19	0.51
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	20	0.51
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	15	0.51
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	15	0.51
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	15	0.51
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	7	0.51
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	8	0.51
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	8	0.51
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	8	0.51
(1,923)	1:393:A:LEU:HD21	1:410:A:TRP:HE1	11	0.51
(1,923)	1:393:A:LEU:HD22	1:410:A:TRP:HE1	11	0.51
(1,923)	1:393:A:LEU:HD23	1:410:A:TRP:HE1	11	0.51
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	1	0.51
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	1	0.51
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	1	0.51
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	7	0.51
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	7	0.51
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	7	0.51
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	15	0.51
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	15	0.51
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	15	0.51
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	16	0.51
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	16	0.51
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	16	0.51
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	18	0.51
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	18	0.51
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	18	0.51
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	19	0.51
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	2	0.51
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	2	0.51
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	2	0.51
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	13	0.51
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	13	0.51
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	13	0.51
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	14	0.51
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	14	0.51
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	4	0.51
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	4	0.51
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	4	0.51
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	18	0.51
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	18	0.51
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	18	0.51
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	11	0.51
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	11	0.51
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	11	0.51
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	2	0.51
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	9	0.51
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	10	0.51
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	18	0.51
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	19	0.51
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	14	0.51
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	19	0.51
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	10	0.51
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	10	0.51
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	10	0.51
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	2	0.51
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	10	0.51
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	1	0.51
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	7	0.51
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	19	0.51
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	11	0.51
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	12	0.51
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	13	0.51
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	19	0.51
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	2	0.51
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	2	0.51
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	2	0.51
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	4	0.51
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	4	0.51
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	4	0.51
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	8	0.51
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	8	0.51
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	8	0.51
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	12	0.51
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	12	0.51
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	12	0.51
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	7	0.51
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	11	0.51
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	11	0.51
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	11	0.51
(1,404)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	14	0.51
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	1	0.51
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	1	0.51
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	1	0.51
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	6	0.51
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	6	0.51
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	6	0.51
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	2	0.51
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	9	0.51
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	10	0.51
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	18	0.51
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	19	0.51
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	20	0.51
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	8	0.51
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	20	0.51
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG21	19	0.51
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG22	19	0.51
(1,126)	1:378:A:PRO:HD2	1:377:A:THR:HG23	19	0.51
(1,99)	1:463:A:VAL:HG21	1:463:A:VAL:H	18	0.51
(1,99)	1:463:A:VAL:HG22	1:463:A:VAL:H	18	0.51
(1,99)	1:463:A:VAL:HG23	1:463:A:VAL:H	18	0.51
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	4	0.51
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	10	0.51
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	20	0.51
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	17	0.5
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	17	0.5
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	17	0.5
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	4	0.5
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	13	0.5
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	5	0.5
(1,4124)	1:368:A:ILE:H	1:367:A:ASP:HA	16	0.5
(1,4083)	1:340:A:MET:H	1:340:A:MET:HA	18	0.5
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	9	0.5
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	11	0.5
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	15	0.5
(1,4027)	1:434:A:TRP:H	1:434:A:TRP:HB3	13	0.5
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	7	0.5
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	17	0.5
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	2	0.5
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	5	0.5
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	11	0.5
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	15	0.5
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	16	0.5
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	15	0.5
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	1	0.5
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	3	0.5
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	3	0.5
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	3	0.5
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	4	0.5
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	4	0.5
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	4	0.5
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	14	0.5
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	14	0.5
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	14	0.5
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	8	0.5
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	4	0.5
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	1	0.5
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	16	0.5
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	13	0.5
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	7	0.5
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	2	0.5
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	4	0.5
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	9	0.5
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	1	0.5
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	2	0.5
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	10	0.5
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	16	0.5
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	20	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	1	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	2	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	3	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	4	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	6	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	8	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	10	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	11	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	12	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	17	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	19	0.5
(1,3544)	1:453:A:LEU:H	1:453:A:LEU:HB2	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3527)	1:452:A:GLU:H	1:452:A:GLU:HG2	2	0.5
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	13	0.5
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	19	0.5
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	6	0.5
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	6	0.5
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	6	0.5
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	6	0.5
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	6	0.5
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	6	0.5
(1,3349)	1:466:A:PHE:HE1	1:346:A:GLU:HG2	20	0.5
(1,3349)	1:466:A:PHE:HE2	1:346:A:GLU:HG2	20	0.5
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	11	0.5
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	11	0.5
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	15	0.5
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	15	0.5
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	17	0.5
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	17	0.5
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	17	0.5
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	17	0.5
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	17	0.5
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	17	0.5
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	16	0.5
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	16	0.5
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	11	0.5
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	12	0.5
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	17	0.5
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	6	0.5
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	9	0.5
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	6	0.5
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	18	0.5
(1,3147)	1:427:A:PRO:HB2	1:428:A:GLU:H	18	0.5
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	2	0.5
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	2	0.5
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	2	0.5
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	9	0.5
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	9	0.5
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	9	0.5
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	16	0.5
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	16	0.5
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	16	0.5
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	2	0.5
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	14	0.5
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	17	0.5
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	8	0.5
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	14	0.5
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	15	0.5
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	10	0.5
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	7	0.5
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	3	0.5
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	3	0.5
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	3	0.5
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	4	0.5
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	4	0.5
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	4	0.5
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	14	0.5
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	14	0.5
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	14	0.5
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	13	0.5
(1,2868)	1:431:A:GLY:HA3	1:432:A:ASP:H	16	0.5
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	20	0.5
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	20	0.5
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	20	0.5
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	19	0.5
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	10	0.5
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	12	0.5
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	15	0.5
(1,2723)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	18	0.5
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	13	0.5
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	15	0.5
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	3	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	6	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	6	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	6	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	7	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	7	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	7	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	9	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	9	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	9	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	16	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	16	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	16	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	18	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	18	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	19	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	19	0.5
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	19	0.5
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	4	0.5
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	20	0.5
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	7	0.5
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	7	0.5
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	7	0.5
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	15	0.5
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	15	0.5
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	15	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	3	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	3	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	3	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	7	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	7	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	7	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	8	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	8	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	8	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	9	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	9	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	9	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	10	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	10	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	10	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	13	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	13	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	13	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	14	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	14	0.5
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	14	0.5
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	14	0.5
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	14	0.5
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	14	0.5
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	15	0.5
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	15	0.5
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	15	0.5
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	6	0.5
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	1	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	1	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	1	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	2	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	2	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	2	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	3	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	3	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	3	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	4	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	4	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	4	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	5	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	5	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	5	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	6	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	6	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	6	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	7	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	7	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	7	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	8	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	8	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	8	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	12	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	12	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	12	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	13	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	13	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	13	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	14	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	14	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	14	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	16	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	16	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	16	0.5
(1,2512)	1:368:A:ILE:HG21	1:368:A:ILE:HB	19	0.5
(1,2512)	1:368:A:ILE:HG22	1:368:A:ILE:HB	19	0.5
(1,2512)	1:368:A:ILE:HG23	1:368:A:ILE:HB	19	0.5
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	16	0.5
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	2	0.5
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	5	0.5
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	11	0.5
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	16	0.5
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	16	0.5
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	16	0.5
(1,2485)	1:465:A:VAL:HG11	1:465:A:VAL:H	19	0.5
(1,2485)	1:465:A:VAL:HG12	1:465:A:VAL:H	19	0.5
(1,2485)	1:465:A:VAL:HG13	1:465:A:VAL:H	19	0.5
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	10	0.5
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	10	0.5
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	10	0.5
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	11	0.5
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	11	0.5
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	11	0.5
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	16	0.5
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	16	0.5
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	16	0.5
(1,2462)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	2	0.5
(1,2462)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	4	0.5
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	17	0.5
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	17	0.5
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	17	0.5
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	17	0.5
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	17	0.5
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	17	0.5
(1,2427)	1:450:A:MET:HB2	1:450:A:MET:HG2	14	0.5
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	9	0.5
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	5	0.5
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	12	0.5
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	8	0.5
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	8	0.5
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	8	0.5
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	17	0.5
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	17	0.5
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	17	0.5
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	3	0.5
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	3	0.5
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	3	0.5
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	12	0.5
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	12	0.5
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	12	0.5
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	7	0.5
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	9	0.5
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	12	0.5
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	15	0.5
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	16	0.5
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	17	0.5
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	3	0.5
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	11	0.5
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	4	0.5
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	14	0.5
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	16	0.5
(1,2255)	1:444:A:ASN:HA	1:444:A:ASN:HB2	20	0.5
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	1	0.5
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	4	0.5
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	6	0.5
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	9	0.5
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	12	0.5
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	19	0.5
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	20	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	4	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	4	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	4	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	9	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	9	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	9	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	15	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	15	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	15	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG11	18	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG12	18	0.5
(1,2209)	1:362:A:VAL:HA	1:362:A:VAL:HG13	18	0.5
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	10	0.5
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	10	0.5
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	10	0.5
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	7	0.5
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	19	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	1	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	2	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	3	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	4	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	5	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	10	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	12	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	13	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	14	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	15	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	16	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	18	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	19	0.5
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	20	0.5
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	6	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	3	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	3	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	3	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	3	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	3	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	3	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	3	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	3	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	3	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	7	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	7	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	7	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	7	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	7	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	7	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	7	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	7	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	7	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	8	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	8	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	8	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	8	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	8	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	8	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	8	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	8	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	8	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	18	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	18	0.5
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	18	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	18	0.5
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	18	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	18	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	18	0.5
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	18	0.5
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	19	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	9	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	9	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	9	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	10	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	10	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	10	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	17	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	17	0.5
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	17	0.5
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	3	0.5
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	6	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	1	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	3	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	4	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	6	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	7	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	8	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	10	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	12	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	17	0.5
(1,1713)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	19	0.5
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	2	0.5
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	2	0.5
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	2	0.5
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	14	0.5
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	14	0.5
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	14	0.5
(1,1644)	1:341:A:GLU:HB3	1:342:A:ASP:H	13	0.5
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	5	0.5
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	5	0.5
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	5	0.5
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	12	0.5
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	12	0.5
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	12	0.5
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	2	0.5
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	6	0.5
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	12	0.5
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	13	0.5
(1,1511)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	18	0.5
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	6	0.5
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	6	0.5
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	6	0.5
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	9	0.5
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	9	0.5
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	9	0.5
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	14	0.5
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	14	0.5
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	14	0.5
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	1	0.5
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	2	0.5
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	4	0.5
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	11	0.5
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	18	0.5
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	19	0.5
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	20	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	1	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	2	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	3	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	4	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	5	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	7	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	8	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	9	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	14	0.5
(1,1461)	1:354:A:MET:HG3	1:354:A:MET:HB2	15	0.5
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	10	0.5
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	10	0.5
(1,1441)	1:405:A:SER:HB3	1:406:A:PRO:HA	19	0.5
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	8	0.5
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	10	0.5
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	18	0.5
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	12	0.5
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	19	0.5
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	2	0.5
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	10	0.5
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	11	0.5
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	20	0.5
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG21	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG22	6	0.5
(1,1171)	1:401:A:THR:HA	1:401:A:THR:HG23	6	0.5
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	1	0.5
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	3	0.5
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	4	0.5
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	6	0.5
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	9	0.5
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	14	0.5
(1,1169)	1:458:A:GLU:HA	1:458:A:GLU:H	17	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	1	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	1	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	1	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	5	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	5	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	5	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	6	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	6	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	6	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	11	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	11	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	11	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	16	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	16	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	16	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD21	19	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD22	19	0.5
(1,1143)	1:433:A:LEU:HG	1:433:A:LEU:HD23	19	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	3	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	3	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	3	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	4	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	4	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	4	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	5	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	5	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	5	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	6	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	6	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	6	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	7	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	7	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	8	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	8	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	8	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	11	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	11	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	11	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	12	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	12	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	12	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	13	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	13	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	13	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	14	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	14	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	14	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	16	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	16	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	16	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	19	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	19	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	19	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	20	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	20	0.5
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	20	0.5
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	18	0.5
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	18	0.5
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	18	0.5
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG21	7	0.5
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG22	7	0.5
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG23	7	0.5
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG21	13	0.5
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG22	13	0.5
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG23	13	0.5
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	19	0.5
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	3	0.5
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	3	0.5
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	3	0.5
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	10	0.5
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	10	0.5
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	10	0.5
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	11	0.5
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	11	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	11	0.5
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	17	0.5
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	17	0.5
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	17	0.5
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	20	0.5
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	20	0.5
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	20	0.5
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	6	0.5
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	19	0.5
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	19	0.5
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	19	0.5
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	16	0.5
(1,821)	1:433:A:LEU:HA	1:433:A:LEU:HB3	9	0.5
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	7	0.5
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	7	0.5
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	7	0.5
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	2	0.5
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	2	0.5
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	2	0.5
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	10	0.5
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	10	0.5
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	10	0.5
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	13	0.5
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	13	0.5
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	13	0.5
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	19	0.5
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	19	0.5
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	19	0.5
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	5	0.5
(1,761)	1:420:A:ILE:HG12	1:420:A:ILE:HB	15	0.5
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	7	0.5
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	16	0.5
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	5	0.5
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	18	0.5
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	14	0.5
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	14	0.5
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	14	0.5
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	10	0.5
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	17	0.5
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	7	0.5
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	8	0.5
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	18	0.5
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	6	0.5
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	16	0.5
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	1	0.5
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	1	0.5
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	1	0.5
(1,463)	1:368:A:ILE:HG21	1:368:A:ILE:HA	14	0.5
(1,463)	1:368:A:ILE:HG22	1:368:A:ILE:HA	14	0.5
(1,463)	1:368:A:ILE:HG23	1:368:A:ILE:HA	14	0.5
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	12	0.5
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	7	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	3	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	3	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	3	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	4	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	4	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	4	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	5	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	5	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	5	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	6	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	6	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	6	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	7	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	7	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	7	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	8	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	8	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	8	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	9	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	9	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	9	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	10	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	10	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	10	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	12	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	12	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	12	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	14	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	14	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	14	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	17	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	17	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	18	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	18	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	18	0.5
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	19	0.5
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	19	0.5
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	19	0.5
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	1	0.5
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	1	0.5
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	1	0.5
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	2	0.5
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	2	0.5
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	2	0.5
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	6	0.5
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	6	0.5
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	6	0.5
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	7	0.5
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	7	0.5
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	7	0.5
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	17	0.5
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	17	0.5
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	17	0.5
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	11	0.5
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	18	0.5
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	3	0.5
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	3	0.5
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	3	0.5
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	4	0.5
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	4	0.5
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	4	0.5
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	5	0.5
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	5	0.5
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	5	0.5
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	9	0.5
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	9	0.5
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	9	0.5
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	14	0.5
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	14	0.5
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	14	0.5
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	15	0.5
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	15	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	15	0.5
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	16	0.5
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	16	0.5
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	16	0.5
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	17	0.5
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	17	0.5
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	17	0.5
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	18	0.5
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	18	0.5
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	18	0.5
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	7	0.5
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	16	0.5
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	12	0.5
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	6	0.5
(1,226)	1:452:A:GLU:HG2	1:452:A:GLU:H	2	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	1	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	1	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	1	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	2	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	2	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	2	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	3	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	3	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	3	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	4	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	4	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	4	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	5	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	5	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	5	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	6	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	6	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	6	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	7	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	7	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	7	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	8	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	8	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	8	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	9	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	9	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	10	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	10	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	10	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	11	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	11	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	11	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	12	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	12	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	12	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	13	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	13	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	13	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	14	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	14	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	14	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	15	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	15	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	15	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	16	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	16	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	16	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	17	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	17	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	17	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	18	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	18	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	18	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	19	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	19	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	19	0.5
(1,220)	1:445:A:THR:HG21	1:445:A:THR:HB	20	0.5
(1,220)	1:445:A:THR:HG22	1:445:A:THR:HB	20	0.5
(1,220)	1:445:A:THR:HG23	1:445:A:THR:HB	20	0.5
(1,207)	1:360:A:GLY:HA3	1:359:A:ASP:HA	5	0.5
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	5	0.5
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	12	0.5
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	12	0.5
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	12	0.5
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	12	0.5
(1,150)	1:413:A:ILE:HG21	1:420:A:ILE:H	20	0.5
(1,150)	1:413:A:ILE:HG22	1:420:A:ILE:H	20	0.5
(1,150)	1:413:A:ILE:HG23	1:420:A:ILE:H	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4192)	1:426:A:GLN:HE22	1:428:A:GLU:HB2	13	0.49
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	17	0.49
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	11	0.49
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	11	0.49
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	11	0.49
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	12	0.49
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	12	0.49
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	12	0.49
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	14	0.49
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	17	0.49
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	8	0.49
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	20	0.49
(1,4111)	1:393:A:LEU:H	1:393:A:LEU:HD21	10	0.49
(1,4111)	1:393:A:LEU:H	1:393:A:LEU:HD22	10	0.49
(1,4111)	1:393:A:LEU:H	1:393:A:LEU:HD23	10	0.49
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	9	0.49
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	16	0.49
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	17	0.49
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	1	0.49
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	16	0.49
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	2	0.49
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	4	0.49
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	3	0.49
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	6	0.49
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	9	0.49
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	10	0.49
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	12	0.49
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	13	0.49
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	14	0.49
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	17	0.49
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	9	0.49
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	16	0.49
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	17	0.49
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	3	0.49
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	12	0.49
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	17	0.49
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	1	0.49
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	1	0.49
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	1	0.49
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	6	0.49
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	6	0.49
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3859)	1:426:A:GLN:HE22	1:433:A:LEU:HB2	17	0.49
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	15	0.49
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	15	0.49
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	15	0.49
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	13	0.49
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	18	0.49
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	18	0.49
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	5	0.49
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	19	0.49
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	4	0.49
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	5	0.49
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	6	0.49
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	7	0.49
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	12	0.49
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	13	0.49
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	15	0.49
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	17	0.49
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	18	0.49
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	3	0.49
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	7	0.49
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	11	0.49
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	12	0.49
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	10	0.49
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	20	0.49
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	7	0.49
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	11	0.49
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	7	0.49
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	8	0.49
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	9	0.49
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	14	0.49
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	15	0.49
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	2	0.49
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	9	0.49
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	15	0.49
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	16	0.49
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	16	0.49
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD11	13	0.49
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD12	13	0.49
(1,3410)	1:403:A:TYR:HE1	1:393:A:LEU:HD13	13	0.49
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD11	13	0.49
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD12	13	0.49
(1,3410)	1:403:A:TYR:HE2	1:393:A:LEU:HD13	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	3	0.49
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	3	0.49
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	5	0.49
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	5	0.49
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	7	0.49
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	7	0.49
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	8	0.49
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	8	0.49
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	9	0.49
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	9	0.49
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	12	0.49
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	12	0.49
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	9	0.49
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	9	0.49
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	9	0.49
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	9	0.49
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	9	0.49
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	9	0.49
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	11	0.49
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	11	0.49
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	11	0.49
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	11	0.49
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	11	0.49
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	11	0.49
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	15	0.49
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	15	0.49
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	15	0.49
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	15	0.49
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	15	0.49
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	15	0.49
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	2	0.49
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	4	0.49
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	8	0.49
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	11	0.49
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	14	0.49
(1,3125)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	3	0.49
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	1	0.49
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	5	0.49
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	13	0.49
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	15	0.49
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	12	0.49
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	12	0.49
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	17	0.49
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	17	0.49
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	17	0.49
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	20	0.49
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	20	0.49
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	20	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	1	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	4	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	5	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	6	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	7	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	8	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	10	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	11	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	12	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	13	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	15	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	16	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	18	0.49
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	19	0.49
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	6	0.49
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	6	0.49
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	6	0.49
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	17	0.49
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	17	0.49
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	17	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	1	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	2	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	3	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	4	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	5	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	6	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	7	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	8	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	9	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	10	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	11	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	12	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	13	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	14	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	16	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	17	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	18	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	19	0.49
(1,3023)	1:364:A:LEU:HA	1:364:A:LEU:H	20	0.49
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	3	0.49
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	7	0.49
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	11	0.49
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	12	0.49
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	19	0.49
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	1	0.49
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	1	0.49
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	1	0.49
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	7	0.49
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	7	0.49
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	7	0.49
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	16	0.49
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	16	0.49
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	16	0.49
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	18	0.49
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	18	0.49
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	18	0.49
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	7	0.49
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	12	0.49
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	14	0.49
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	18	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	3	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	3	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	3	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	6	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	6	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	6	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	9	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	9	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	9	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	15	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	15	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	15	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	17	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	17	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	17	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	18	0.49
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	18	0.49
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	7	0.49
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	7	0.49
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	7	0.49
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	5	0.49
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	1	0.49
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	1	0.49
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	1	0.49
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	6	0.49
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	6	0.49
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	6	0.49
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	8	0.49
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	8	0.49
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	8	0.49
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	1	0.49
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	5	0.49
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	6	0.49
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	3	0.49
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	5	0.49
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	13	0.49
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	14	0.49
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	15	0.49
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	18	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	1	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	1	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	1	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	2	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	2	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	2	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	4	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	4	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	4	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	8	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	8	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	8	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	9	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	9	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	9	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	10	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	10	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	11	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	11	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	11	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	12	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	12	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	12	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	13	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	13	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	13	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	14	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	14	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	14	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	15	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	15	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	15	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	16	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	16	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	16	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	17	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	17	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	17	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	18	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	18	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	18	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	19	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	19	0.49
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	19	0.49
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	3	0.49
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	7	0.49
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	17	0.49
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	7	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	1	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	1	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	1	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	2	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	2	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	2	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	3	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	3	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	3	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	4	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	4	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	5	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	5	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	5	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	8	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	8	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	8	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	10	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	10	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	10	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	11	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	11	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	11	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	12	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	12	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	12	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	13	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	13	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	13	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	14	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	14	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	14	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	15	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	15	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	15	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	17	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	17	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	17	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG21	20	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG22	20	0.49
(1,2629)	1:457:A:VAL:HB	1:457:A:VAL:HG23	20	0.49
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	8	0.49
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	1	0.49
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	1	0.49
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	1	0.49
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	11	0.49
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	11	0.49
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	11	0.49
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	13	0.49
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	13	0.49
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	13	0.49
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	14	0.49
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	14	0.49
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	8	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	1	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	1	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	1	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	15	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	15	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	15	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	16	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	16	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	16	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	18	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	18	0.49
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	18	0.49
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	7	0.49
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	7	0.49
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	7	0.49
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	12	0.49
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	12	0.49
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	12	0.49
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	3	0.49
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	9	0.49
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	13	0.49
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	3	0.49
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	3	0.49
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	3	0.49
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	18	0.49
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	18	0.49
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	18	0.49
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	7	0.49
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	7	0.49
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	7	0.49
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	7	0.49
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	7	0.49
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	7	0.49
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	8	0.49
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	8	0.49
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	8	0.49
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	8	0.49
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	8	0.49
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	14	0.49
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	14	0.49
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	14	0.49
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	14	0.49
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	14	0.49
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	14	0.49
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	10	0.49
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	10	0.49
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	10	0.49
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	11	0.49
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	11	0.49
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	11	0.49
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	14	0.49
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	14	0.49
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	14	0.49
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	15	0.49
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	15	0.49
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	15	0.49
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	19	0.49
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	19	0.49
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	19	0.49
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	4	0.49
(1,2387)	1:456:A:MET:HE1	1:453:A:LEU:H	11	0.49
(1,2387)	1:456:A:MET:HE2	1:453:A:LEU:H	11	0.49
(1,2387)	1:456:A:MET:HE3	1:453:A:LEU:H	11	0.49
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	1	0.49
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	6	0.49
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	13	0.49
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	14	0.49
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	19	0.49
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	13	0.49
(1,2324)	1:365:A:GLU:HB2	1:365:A:GLU:HA	2	0.49
(1,2281)	1:393:A:LEU:HD21	1:393:A:LEU:H	10	0.49
(1,2281)	1:393:A:LEU:HD22	1:393:A:LEU:H	10	0.49
(1,2281)	1:393:A:LEU:HD23	1:393:A:LEU:H	10	0.49
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	2	0.49
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	14	0.49
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	15	0.49
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	6	0.49
(1,2203)	1:402:A:PRO:HD3	1:401:A:THR:HB	17	0.49
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	7	0.49
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	7	0.49
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	16	0.49
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	16	0.49
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	16	0.49
(1,2193)	1:354:A:MET:HE1	1:354:A:MET:HB3	19	0.49
(1,2193)	1:354:A:MET:HE2	1:354:A:MET:HB3	19	0.49
(1,2193)	1:354:A:MET:HE3	1:354:A:MET:HB3	19	0.49
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	19	0.49
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	2	0.49
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	1	0.49
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	3	0.49
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	4	0.49
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	9	0.49
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	11	0.49
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	15	0.49
(1,2002)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	20	0.49
(1,1995)	1:340:A:MET:HA	1:340:A:MET:HG2	15	0.49
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	6	0.49
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	8	0.49
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	9	0.49
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	11	0.49
(1,1988)	1:376:A:PRO:HA	1:376:A:PRO:HB3	17	0.49
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	1	0.49
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	12	0.49
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	11	0.49
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	11	0.49
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	11	0.49
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	12	0.49
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	12	0.49
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	12	0.49
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	16	0.49
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	16	0.49
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	16	0.49
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	17	0.49
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	17	0.49
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	17	0.49
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	19	0.49
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	19	0.49
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	19	0.49
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	20	0.49
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	20	0.49
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	19	0.49
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	19	0.49
(1,1983)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	19	0.49
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	19	0.49
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	19	0.49
(1,1983)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	19	0.49
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	19	0.49
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	19	0.49
(1,1983)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	19	0.49
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	3	0.49
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	4	0.49
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	6	0.49
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	8	0.49
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	9	0.49
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	11	0.49
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	17	0.49
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	10	0.49
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	14	0.49
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	14	0.49
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	14	0.49
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	1	0.49
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	11	0.49
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	17	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	1	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	1	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	1	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	3	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	3	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	3	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	4	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	4	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	4	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	5	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	5	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	5	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	6	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	6	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	6	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	7	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	7	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	7	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	8	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	8	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	9	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	9	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	9	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	10	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	10	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	10	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	11	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	11	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	11	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	12	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	12	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	12	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	13	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	13	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	13	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	15	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	15	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	15	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	16	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	16	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	16	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	17	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	17	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	17	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	18	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	18	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	18	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	19	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	19	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	19	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG21	20	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG22	20	0.49
(1,1696)	1:449:A:VAL:HB	1:449:A:VAL:HG23	20	0.49
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	8	0.49
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	2	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	1	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	1	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	1	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	6	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	6	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	11	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	11	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	11	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	16	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	16	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	16	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD11	19	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD12	19	0.49
(1,1626)	1:433:A:LEU:HG	1:433:A:LEU:HD13	19	0.49
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	1	0.49
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	1	0.49
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	1	0.49
(1,1540)	1:391:A:ALA:HA	1:391:A:ALA:H	10	0.49
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	10	0.49
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	10	0.49
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	10	0.49
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	17	0.49
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	8	0.49
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	13	0.49
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	16	0.49
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	11	0.49
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	4	0.49
(1,1369)	1:387:A:LYS:HD2	1:387:A:LYS:HE2	5	0.49
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	12	0.49
(1,1270)	1:450:A:MET:HB3	1:451:A:LYS:H	6	0.49
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	20	0.49
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	6	0.49
(1,1172)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	5	0.49
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	6	0.49
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	6	0.49
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	6	0.49
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	17	0.49
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	17	0.49
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	17	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	1	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	1	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	1	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	2	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	2	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	2	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	9	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	9	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	10	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	10	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	10	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	17	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	17	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	17	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG11	18	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG12	18	0.49
(1,1109)	1:457:A:VAL:HB	1:457:A:VAL:HG13	18	0.49
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	6	0.49
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	6	0.49
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	6	0.49
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	14	0.49
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	14	0.49
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	14	0.49
(1,922)	1:411:A:MET:HE1	1:453:A:LEU:HG	19	0.49
(1,922)	1:411:A:MET:HE2	1:453:A:LEU:HG	19	0.49
(1,922)	1:411:A:MET:HE3	1:453:A:LEU:HG	19	0.49
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	2	0.49
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	5	0.49
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	7	0.49
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	9	0.49
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	10	0.49
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	13	0.49
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	18	0.49
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	2	0.49
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	17	0.49
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	4	0.49
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	4	0.49
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	4	0.49
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	7	0.49
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	7	0.49
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	7	0.49
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	8	0.49
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	8	0.49
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	8	0.49
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	18	0.49
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	20	0.49
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	7	0.49
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	2	0.49
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	17	0.49
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	17	0.49
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	17	0.49
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	2	0.49
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	3	0.49
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	5	0.49
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	7	0.49
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	8	0.49
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	9	0.49
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	12	0.49
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	20	0.49
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	18	0.49
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	10	0.49
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	14	0.49
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	5	0.49
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	18	0.49
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	20	0.49
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	16	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	1	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	1	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	1	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	3	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	3	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	3	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	9	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	9	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	9	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	10	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	10	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	10	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	14	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	14	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	14	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	17	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	17	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	17	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	19	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	19	0.49
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	19	0.49
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	1	0.49
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	1	0.49
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	2	0.49
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	2	0.49
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	2	0.49
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	13	0.49
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	13	0.49
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	13	0.49
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	15	0.49
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	15	0.49
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	15	0.49
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	16	0.49
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	16	0.49
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	16	0.49
(1,438)	1:465:A:VAL:HG11	1:465:A:VAL:HB	20	0.49
(1,438)	1:465:A:VAL:HG12	1:465:A:VAL:HB	20	0.49
(1,438)	1:465:A:VAL:HG13	1:465:A:VAL:HB	20	0.49
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	5	0.49
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	5	0.49
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	5	0.49
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	10	0.49
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	10	0.49
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	10	0.49
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	11	0.49
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	11	0.49
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	11	0.49
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	14	0.49
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	14	0.49
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	14	0.49
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	15	0.49
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	15	0.49
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	15	0.49
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	2	0.49
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	2	0.49
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	2	0.49
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	5	0.49
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	5	0.49
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	5	0.49
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	5	0.49
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	5	0.49
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	5	0.49
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	7	0.49
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	7	0.49
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	8	0.49
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	8	0.49
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	8	0.49
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	3	0.49
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	4	0.49
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	8	0.49
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	10	0.49
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	12	0.49
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	13	0.49
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	14	0.49
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	9	0.49
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	2	0.49
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	2	0.49
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	2	0.49
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	7	0.49
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	7	0.49
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	7	0.49
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	8	0.49
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	8	0.49
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	8	0.49
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	10	0.49
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	10	0.49
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	10	0.49
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	11	0.49
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	11	0.49
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	11	0.49
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	12	0.49
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	12	0.49
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	12	0.49
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	13	0.49
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	13	0.49
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	13	0.49
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	19	0.49
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	19	0.49
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	19	0.49
(1,322)	1:345:A:ILE:HG21	1:345:A:ILE:HA	20	0.49
(1,322)	1:345:A:ILE:HG22	1:345:A:ILE:HA	20	0.49
(1,322)	1:345:A:ILE:HG23	1:345:A:ILE:HA	20	0.49
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	10	0.49
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	2	0.48
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	9	0.48
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	10	0.48
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	11	0.48
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	15	0.48
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	16	0.48
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	1	0.48
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	2	0.48
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	3	0.48
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	4	0.48
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	7	0.48
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	9	0.48
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	11	0.48
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	14	0.48
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	18	0.48
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	19	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	1	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	2	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	3	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	4	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	5	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	6	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	7	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	8	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	10	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	11	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	12	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	13	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	14	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	15	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	18	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	19	0.48
(1,4108)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	20	0.48
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	20	0.48
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	3	0.48
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	6	0.48
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	7	0.48
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	9	0.48
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	10	0.48
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	1	0.48
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	8	0.48
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	18	0.48
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	20	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	1	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	2	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	3	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	4	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	5	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	6	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	7	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	8	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	10	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	11	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	12	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	13	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	14	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	15	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	18	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	19	0.48
(1,3942)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	20	0.48
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	8	0.48
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	2	0.48
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	10	0.48
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	2	0.48
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	4	0.48
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	10	0.48
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	14	0.48
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	17	0.48
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	20	0.48
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	1	0.48
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	11	0.48
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	16	0.48
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	6	0.48
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	2	0.48
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	3	0.48
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	8	0.48
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	9	0.48
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	10	0.48
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	11	0.48
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	20	0.48
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	2	0.48
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	1	0.48
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	5	0.48
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	17	0.48
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	18	0.48
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	5	0.48
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	5	0.48
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	5	0.48
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	11	0.48
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	12	0.48
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	16	0.48
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	17	0.48
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	15	0.48
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	8	0.48
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	12	0.48
(1,3595)	1:466:A:PHE:H	1:465:A:VAL:HB	17	0.48
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	5	0.48
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	5	0.48
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	13	0.48
(1,3574)	1:437:A:ARG:H	1:438:A:GLY:H	17	0.48
(1,3550)	1:424:A:ASP:H	1:423:A:SER:HA	5	0.48
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	5	0.48
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	14	0.48
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	14	0.48
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	18	0.48
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	4	0.48
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	4	0.48
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	15	0.48
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	1	0.48
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	1	0.48
(1,3320)	1:409:A:TYR:HD1	1:409:A:TYR:HB2	14	0.48
(1,3320)	1:409:A:TYR:HD2	1:409:A:TYR:HB2	14	0.48
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	19	0.48
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	19	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	2	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	2	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	2	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	2	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	2	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	2	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	4	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	4	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	4	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	4	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	4	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	7	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	7	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	7	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	7	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	7	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	7	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	8	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	8	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	8	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	8	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	8	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	8	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	13	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	13	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	13	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	13	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	13	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	13	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	14	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	14	0.48
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	14	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	14	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	14	0.48
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	14	0.48
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	12	0.48
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	12	0.48
(1,3236)	1:425:A:TRP:HZ3	1:425:A:TRP:HB3	5	0.48
(1,3193)	1:409:A:TYR:HE1	1:447:A:PRO:HB3	16	0.48
(1,3193)	1:409:A:TYR:HE2	1:447:A:PRO:HB3	16	0.48
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	2	0.48
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	6	0.48
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	9	0.48
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	12	0.48
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	14	0.48
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	17	0.48
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	4	0.48
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	4	0.48
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	4	0.48
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	15	0.48
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	15	0.48
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3054)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	20	0.48
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	1	0.48
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	15	0.48
(1,3022)	1:358:A:LYS:HB3	1:358:A:LYS:H	18	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	1	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	1	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	1	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	2	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	2	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	2	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	3	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	3	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	3	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	4	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	4	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	4	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	5	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	5	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	5	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	6	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	6	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	6	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	8	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	8	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	8	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	9	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	9	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	9	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	10	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	10	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	10	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	11	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	11	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	11	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	12	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	12	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	12	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	13	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	13	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	13	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	14	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	14	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	15	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	15	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	15	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	17	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	17	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	17	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	19	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	19	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	19	0.48
(1,2998)	1:461:A:THR:HG21	1:461:A:THR:HB	20	0.48
(1,2998)	1:461:A:THR:HG22	1:461:A:THR:HB	20	0.48
(1,2998)	1:461:A:THR:HG23	1:461:A:THR:HB	20	0.48
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	9	0.48
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	8	0.48
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	13	0.48
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	16	0.48
(1,2982)	1:348:A:ASP:HB2	1:348:A:ASP:H	20	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	1	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	1	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	1	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	2	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	2	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	2	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	4	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	4	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	4	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	5	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	5	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	5	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	7	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	7	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	7	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	8	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	8	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	8	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	10	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	10	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	10	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	11	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	11	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	12	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	12	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	12	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	13	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	13	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	13	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	14	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	14	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	14	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	16	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	16	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	16	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	19	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	19	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	19	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	20	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	20	0.48
(1,2955)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	20	0.48
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	14	0.48
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	14	0.48
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	14	0.48
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	19	0.48
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	19	0.48
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	19	0.48
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	19	0.48
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	19	0.48
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	19	0.48
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	13	0.48
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	16	0.48
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	19	0.48
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	2	0.48
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	4	0.48
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	6	0.48
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	7	0.48
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	8	0.48
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	10	0.48
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	11	0.48
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	12	0.48
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	17	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	3	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	3	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	5	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	5	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	5	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	6	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	6	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	6	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	7	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	7	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	7	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG11	20	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG12	20	0.48
(1,2706)	1:449:A:VAL:HB	1:449:A:VAL:HG13	20	0.48
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	8	0.48
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	12	0.48
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	14	0.48
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	16	0.48
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	5	0.48
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	18	0.48
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	11	0.48
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	3	0.48
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	3	0.48
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	3	0.48
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	5	0.48
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	5	0.48
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	5	0.48
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	5	0.48
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	5	0.48
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	5	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	5	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	5	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	5	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	12	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	12	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	12	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	17	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	17	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	17	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	20	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	20	0.48
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	20	0.48
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	6	0.48
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	6	0.48
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	19	0.48
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	19	0.48
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	19	0.48
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	1	0.48
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	19	0.48
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	19	0.48
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	19	0.48
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	14	0.48
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	14	0.48
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	14	0.48
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	13	0.48
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	8	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	2	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	3	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	4	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	5	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	6	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	7	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	8	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	9	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	10	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	11	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	12	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	14	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	15	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	16	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	17	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	18	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	19	0.48
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	20	0.48
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	5	0.48
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	14	0.48
(1,2002)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	11	0.48
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	2	0.48
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	5	0.48
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	7	0.48
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	19	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	1	0.48
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	1	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	1	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	2	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	2	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	6	0.48
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	6	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	6	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	7	0.48
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	7	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	7	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	8	0.48
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	8	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	8	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	9	0.48
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	9	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	9	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	13	0.48
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	13	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	13	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	14	0.48
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	14	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	14	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	15	0.48
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	15	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	15	0.48
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	18	0.48
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	18	0.48
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	18	0.48
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	7	0.48
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	5	0.48
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	7	0.48
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	13	0.48
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	14	0.48
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	15	0.48
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	20	0.48
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	1	0.48
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	2	0.48
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	15	0.48
(1,1908)	1:428:A:GLU:HG2	1:429:A:TYR:HA	13	0.48
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	7	0.48
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	11	0.48
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	19	0.48
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	19	0.48
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	15	0.48
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	15	0.48
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	15	0.48
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	8	0.48
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	10	0.48
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	18	0.48
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	11	0.48
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	14	0.48
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	10	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	1	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	3	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	4	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	7	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	8	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	10	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	11	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	12	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	13	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	14	0.48
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	18	0.48
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	10	0.48
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	10	0.48
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	10	0.48
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	11	0.48
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	11	0.48
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	11	0.48
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	3	0.48
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	3	0.48
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	3	0.48
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	16	0.48
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	16	0.48
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	16	0.48
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	18	0.48
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	18	0.48
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	18	0.48
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	3	0.48
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	3	0.48
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	3	0.48
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	4	0.48
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	4	0.48
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	4	0.48
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	12	0.48
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	12	0.48
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	4	0.48
(1,1495)	1:448:A:SER:HB2	1:448:A:SER:H	2	0.48
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	14	0.48
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	13	0.48
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	5	0.48
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	9	0.48
(1,1369)	1:387:A:LYS:HD2	1:387:A:LYS:HE2	12	0.48
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	13	0.48
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	4	0.48
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	11	0.48
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	14	0.48
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG21	5	0.48
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG22	5	0.48
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG23	5	0.48
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	10	0.48
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	12	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	1	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	3	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	4	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	6	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	8	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	12	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	14	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	15	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	16	0.48
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	20	0.48
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	15	0.48
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	20	0.48
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	1	0.48
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	1	0.48
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	1	0.48
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	12	0.48
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	15	0.48
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	5	0.48
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	5	0.48
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	5	0.48
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	9	0.48
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	9	0.48
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	9	0.48
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	4	0.48
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	5	0.48
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	8	0.48
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	9	0.48
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	11	0.48
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	12	0.48
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	16	0.48
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	19	0.48
(1,717)	1:432:A:ASP:HB3	1:433:A:LEU:H	1	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	1	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	3	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	4	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	5	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	6	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	9	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	10	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	14	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	16	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	17	0.48
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	18	0.48
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	12	0.48
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	12	0.48
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	12	0.48
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	1	0.48
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	3	0.48
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	6	0.48
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	16	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	1	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	3	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	4	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	7	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	8	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	10	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	11	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	12	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	13	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	14	0.48
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	18	0.48
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	16	0.48
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	16	0.48
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	16	0.48
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	4	0.48
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	6	0.48
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	11	0.48
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	14	0.48
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	15	0.48
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	16	0.48
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	18	0.48
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	6	0.48
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	12	0.48
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	13	0.48
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	14	0.48
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	19	0.48
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	20	0.48
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	20	0.48
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	20	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	1	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	2	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	3	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	4	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	5	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	6	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	8	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	9	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	11	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	12	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	15	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	16	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	17	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	18	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	19	0.48
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	20	0.48
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	14	0.48
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	4	0.48
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	10	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	2	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	2	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	2	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	4	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	4	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	4	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	6	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	6	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	11	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	11	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	11	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	12	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	12	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	12	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	13	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	13	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	13	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	15	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	15	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	15	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	16	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	16	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	16	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	18	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	18	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	18	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	20	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	20	0.48
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	20	0.48
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	8	0.48
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	8	0.48
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	8	0.48
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	18	0.48
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	18	0.48
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	18	0.48
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	4	0.48
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	4	0.48
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	4	0.48
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	11	0.48
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	11	0.48
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	11	0.48
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	3	0.48
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	3	0.48
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	3	0.48
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	7	0.48
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	7	0.48
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	7	0.48
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	18	0.48
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	18	0.48
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	20	0.48
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	20	0.48
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	20	0.48
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	1	0.48
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	2	0.48
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	5	0.48
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	6	0.48
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	9	0.48
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	15	0.48
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	16	0.48
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	17	0.48
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	19	0.48
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	20	0.48
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	14	0.48
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	1	0.48
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	3	0.48
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	6	0.48
(1,236)	1:341:A:GLU:HB3	1:341:A:GLU:H	4	0.48
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	1	0.47
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	5	0.47
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	14	0.47
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	15	0.47
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	13	0.47
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	13	0.47
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	13	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	8	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	8	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	8	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	13	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	13	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	13	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	14	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	14	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	14	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	16	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	16	0.47
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	16	0.47
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	3	0.47
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	8	0.47
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	6	0.47
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	12	0.47
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	13	0.47
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	15	0.47
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	16	0.47
(1,4137)	1:363:A:ALA:H	1:362:A:VAL:HA	17	0.47
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	10	0.47
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	19	0.47
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	1	0.47
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	13	0.47
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	6	0.47
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	13	0.47
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	5	0.47
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	8	0.47
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	13	0.47
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	14	0.47
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	15	0.47
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	20	0.47
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	7	0.47
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	1	0.47
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	5	0.47
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	6	0.47
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	3	0.47
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	13	0.47
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	17	0.47
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	17	0.47
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	17	0.47
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	4	0.47
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	4	0.47
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	4	0.47
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	10	0.47
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	10	0.47
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	10	0.47
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	4	0.47
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	5	0.47
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	9	0.47
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	10	0.47
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	19	0.47
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	9	0.47
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	7	0.47
(1,3793)	1:426:A:GLN:H	1:426:A:GLN:HB3	1	0.47
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	6	0.47
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	9	0.47
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	13	0.47
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	14	0.47
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	19	0.47
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	6	0.47
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	8	0.47
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	9	0.47
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	4	0.47
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	9	0.47
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	15	0.47
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	15	0.47
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	4	0.47
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	19	0.47
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	19	0.47
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	19	0.47
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	1	0.47
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	2	0.47
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	4	0.47
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	10	0.47
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	16	0.47
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	20	0.47
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	19	0.47
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	1	0.47
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	3	0.47
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	3	0.47
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	7	0.47
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	8	0.47
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	13	0.47
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	18	0.47
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	12	0.47
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	12	0.47
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	18	0.47
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	18	0.47
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	10	0.47
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	18	0.47
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	12	0.47
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	12	0.47
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	12	0.47
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	12	0.47
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	12	0.47
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	12	0.47
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	11	0.47
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	7	0.47
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	7	0.47
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	7	0.47
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	3	0.47
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	4	0.47
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	8	0.47
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	10	0.47
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	3	0.47
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	3	0.47
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	3	0.47
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	10	0.47
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	10	0.47
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	10	0.47
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	11	0.47
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	11	0.47
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	11	0.47
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	13	0.47
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	13	0.47
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	13	0.47
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	6	0.47
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	13	0.47
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	20	0.47
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	20	0.47
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	20	0.47
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	2	0.47
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	17	0.47
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	17	0.47
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	17	0.47
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	15	0.47
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	15	0.47
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	15	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	1	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	1	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	1	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	2	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	2	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	2	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	3	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	3	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	3	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	4	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	4	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	5	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	5	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	5	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	6	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	6	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	6	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	7	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	7	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	7	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	8	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	8	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	8	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	9	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	9	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	9	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	10	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	10	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	10	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	12	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	12	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	12	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	14	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	14	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	14	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	15	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	15	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	15	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	16	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	16	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	16	0.47
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	18	0.47
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	18	0.47
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	18	0.47
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	5	0.47
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	8	0.47
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	11	0.47
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	19	0.47
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	3	0.47
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	4	0.47
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	8	0.47
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	11	0.47
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	12	0.47
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	15	0.47
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	17	0.47
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	1	0.47
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	3	0.47
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	9	0.47
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	16	0.47
(1,2816)	1:368:A:ILE:HG12	1:368:A:ILE:HB	20	0.47
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	1	0.47
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	18	0.47
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	19	0.47
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	12	0.47
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	19	0.47
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	11	0.47
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	19	0.47
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	2	0.47
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	7	0.47
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	4	0.47
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	4	0.47
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	4	0.47
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	10	0.47
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	10	0.47
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	10	0.47
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	18	0.47
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	18	0.47
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	18	0.47
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	19	0.47
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	19	0.47
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	19	0.47
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG11	11	0.47
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG12	11	0.47
(1,2552)	1:465:A:VAL:HA	1:465:A:VAL:HG13	11	0.47
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	1	0.47
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	1	0.47
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	1	0.47
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	3	0.47
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	3	0.47
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	3	0.47
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	9	0.47
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	9	0.47
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	2	0.47
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	5	0.47
(1,2459)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	5	0.47
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	5	0.47
(1,2459)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	5	0.47
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	5	0.47
(1,2459)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	5	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	1	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	2	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	3	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	4	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	5	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	6	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	7	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	9	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	10	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	12	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	16	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	17	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	18	0.47
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	19	0.47
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	14	0.47
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	5	0.47
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	5	0.47
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	5	0.47
(1,2384)	1:433:A:LEU:HA	1:434:A:TRP:H	5	0.47
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	1	0.47
(1,2321)	1:392:A:THR:HA	1:392:A:THR:H	13	0.47
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	19	0.47
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	20	0.47
(1,2286)	1:428:A:GLU:HB2	1:429:A:TYR:H	1	0.47
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	8	0.47
(1,2126)	1:458:A:GLU:HG2	1:459:A:LYS:H	18	0.47
(1,2002)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	5	0.47
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	3	0.47
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	4	0.47
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	8	0.47
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	9	0.47
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	14	0.47
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	17	0.47
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	3	0.47
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	3	0.47
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	3	0.47
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	4	0.47
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	4	0.47
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	4	0.47
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	5	0.47
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	5	0.47
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	5	0.47
(1,1984)	1:347:A:VAL:HG11	1:347:A:VAL:HB	10	0.47
(1,1984)	1:347:A:VAL:HG12	1:347:A:VAL:HB	10	0.47
(1,1984)	1:347:A:VAL:HG13	1:347:A:VAL:HB	10	0.47
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	1	0.47
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	2	0.47
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	10	0.47
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	12	0.47
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	16	0.47
(1,1936)	1:391:A:ALA:HA	1:392:A:THR:H	18	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	3	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	4	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	6	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	8	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	11	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	12	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	14	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	17	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	18	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	19	0.47
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	20	0.47
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	5	0.47
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	5	0.47
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	5	0.47
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	5	0.47
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	5	0.47
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	5	0.47
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	5	0.47
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	5	0.47
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	5	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	1	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	2	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	3	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	5	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	6	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	8	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	9	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	10	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	13	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	14	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	15	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	16	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	18	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	19	0.47
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	20	0.47
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	7	0.47
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	10	0.47
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	18	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	1	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	1	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	1	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	2	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	2	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	2	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	3	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	3	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	3	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	4	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	4	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	4	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	5	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	5	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	5	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	6	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	6	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	6	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	7	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	7	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	7	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	8	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	8	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	8	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	9	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	9	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	10	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	10	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	10	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	11	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	11	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	11	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	12	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	12	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	12	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	13	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	13	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	13	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	14	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	14	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	14	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	16	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	16	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	16	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	17	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	17	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	17	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	18	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	18	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	18	0.47
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	20	0.47
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	20	0.47
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	20	0.47
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	18	0.47
(1,1814)	1:399:A:ASP:HB2	1:400:A:GLY:H	5	0.47
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	4	0.47
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	10	0.47
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	20	0.47
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	1	0.47
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	5	0.47
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	19	0.47
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	3	0.47
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	15	0.47
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	16	0.47
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	19	0.47
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	5	0.47
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	6	0.47
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	16	0.47
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	17	0.47
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	19	0.47
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	20	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	2	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	2	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	2	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	3	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	3	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	3	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	4	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	4	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	4	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	6	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	6	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	6	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	9	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	9	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	9	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	14	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	14	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	14	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	17	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	17	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	17	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	18	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	18	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	18	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	19	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	19	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	19	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	20	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	20	0.47
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	20	0.47
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	2	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	1	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	1	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	1	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	2	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	2	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	2	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	4	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	4	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	5	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	5	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	5	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	6	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	6	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	6	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	7	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	7	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	7	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	8	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	8	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	8	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	9	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	9	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	9	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	10	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	10	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	10	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	11	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	11	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	11	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	12	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	12	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	12	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	13	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	13	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	13	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	14	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	14	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	14	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	15	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	15	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	15	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	17	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	17	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	17	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	19	0.47
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	19	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	19	0.47
(1,1547)	1:369:A:VAL:HG11	1:369:A:VAL:HB	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1547)	1:369:A:VAL:HG12	1:369:A:VAL:HB	20	0.47
(1,1547)	1:369:A:VAL:HG13	1:369:A:VAL:HB	20	0.47
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	2	0.47
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	2	0.47
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	2	0.47
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	17	0.47
(1,1369)	1:387:A:LYS:HD2	1:387:A:LYS:HE2	8	0.47
(1,1369)	1:387:A:LYS:HD2	1:387:A:LYS:HE2	10	0.47
(1,1369)	1:387:A:LYS:HD2	1:387:A:LYS:HE2	11	0.47
(1,1369)	1:387:A:LYS:HD2	1:387:A:LYS:HE2	19	0.47
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG11	7	0.47
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG12	7	0.47
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG13	7	0.47
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	18	0.47
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	18	0.47
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	18	0.47
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	6	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	1	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	2	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	3	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	4	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	5	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	6	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	8	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	9	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	10	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	11	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	12	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	14	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	15	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	16	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	17	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	19	0.47
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	20	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	1	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	3	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	5	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	6	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	7	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	8	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	10	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	12	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	13	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	15	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	18	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	19	0.47
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	20	0.47
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	3	0.47
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	3	0.47
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	3	0.47
(1,1151)	1:432:A:ASP:HA	1:434:A:TRP:HD1	3	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	1	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	1	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	1	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	2	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	2	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	2	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	3	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	3	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	3	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	4	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	4	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	4	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	5	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	5	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	5	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	6	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	6	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	6	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	7	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	7	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	7	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	8	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	8	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	8	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	9	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	9	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	9	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	10	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	10	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	10	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	11	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	11	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	12	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	12	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	12	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	13	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	13	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	13	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	14	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	14	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	14	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	15	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	15	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	15	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	16	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	16	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	16	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	17	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	17	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	17	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	18	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	18	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	18	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	19	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	19	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	19	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	20	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	20	0.47
(1,1069)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	20	0.47
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	6	0.47
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	6	0.47
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	6	0.47
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG21	16	0.47
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG22	16	0.47
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG23	16	0.47
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	1	0.47
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	19	0.47
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	20	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	1	0.47
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	1	0.47
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	1	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	5	0.47
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	5	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	9	0.47
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	9	0.47
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	9	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	10	0.47
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	10	0.47
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	10	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	12	0.47
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	12	0.47
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	12	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	16	0.47
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	16	0.47
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	16	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	17	0.47
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	17	0.47
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	17	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	18	0.47
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	18	0.47
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	18	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	19	0.47
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	19	0.47
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	19	0.47
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	20	0.47
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	20	0.47
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	20	0.47
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	11	0.47
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	17	0.47
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	8	0.47
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	14	0.47
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG21	7	0.47
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG22	7	0.47
(1,878)	1:402:A:PRO:HD3	1:401:A:THR:HG23	7	0.47
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	3	0.47
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	8	0.47
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	8	0.47
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	8	0.47
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	10	0.47
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	10	0.47
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	10	0.47
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	12	0.47
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	12	0.47
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	15	0.47
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	15	0.47
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	15	0.47
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	19	0.47
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	19	0.47
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	19	0.47
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	3	0.47
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	3	0.47
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	3	0.47
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	14	0.47
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	14	0.47
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	14	0.47
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	2	0.47
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	3	0.47
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	6	0.47
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	14	0.47
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	15	0.47
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	17	0.47
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	19	0.47
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	2	0.47
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	3	0.47
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	7	0.47
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	10	0.47
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	18	0.47
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	2	0.47
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	8	0.47
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	12	0.47
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	13	0.47
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	15	0.47
(1,693)	1:418:A:VAL:HB	1:418:A:VAL:HA	20	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	1	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	1	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	1	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	2	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	2	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	2	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	3	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	3	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	3	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	5	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	5	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	6	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	6	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	6	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	7	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	7	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	7	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	9	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	9	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	9	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	11	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	11	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	11	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	14	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	14	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	14	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	15	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	15	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	15	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	16	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	16	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	16	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	18	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	18	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	18	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	19	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	19	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	19	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	20	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	20	0.47
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	20	0.47
(1,597)	1:387:A:LYS:HB3	1:388:A:GLU:H	16	0.47
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	5	0.47
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	6	0.47
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	9	0.47
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	16	0.47
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	17	0.47
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	19	0.47
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	20	0.47
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	12	0.47
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	13	0.47
(1,523)	1:380:A:GLY:HA3	1:380:A:GLY:H	19	0.47
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	8	0.47
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	9	0.47
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	15	0.47
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	11	0.47
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	3	0.47
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	6	0.47
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	13	0.47
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	13	0.47
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	13	0.47
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	1	0.47
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	1	0.47
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	1	0.47
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	13	0.47
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	13	0.47
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	13	0.47
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	19	0.47
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	19	0.47
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	19	0.47
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	12	0.47
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	12	0.47
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	12	0.47
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	17	0.47
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	17	0.47
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	17	0.47
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	19	0.47
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	19	0.47
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	19	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	1	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	1	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	1	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	2	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	2	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	2	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	3	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	3	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	3	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	6	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	6	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	6	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	9	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	9	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	10	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	10	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	10	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	12	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	12	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	12	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	13	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	13	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	13	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	14	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	14	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	14	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	15	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	15	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	15	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	17	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	17	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	17	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	20	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	20	0.47
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	20	0.47
(1,385)	1:397:A:ASN:HB3	1:397:A:ASN:HA	7	0.47
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	14	0.47
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	16	0.47
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	16	0.47
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	16	0.47
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	10	0.47
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	10	0.47
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	10	0.47
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	20	0.46
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	2	0.46
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	2	0.46
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	2	0.46
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	4	0.46
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	20	0.46
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	3	0.46
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	7	0.46
(1,4061)	1:436:A:THR:H	1:435:A:LYS:H	5	0.46
(1,4050)	1:425:A:TRP:HE1	1:426:A:GLN:HB3	1	0.46
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	9	0.46
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	2	0.46
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	10	0.46
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	11	0.46
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	12	0.46
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	18	0.46
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	5	0.46
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	13	0.46
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	16	0.46
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	7	0.46
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	9	0.46
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	10	0.46
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	11	0.46
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	12	0.46
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	17	0.46
(1,3965)	1:345:A:ILE:H	1:344:A:TYR:HA	4	0.46
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	16	0.46
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	20	0.46
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	7	0.46
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	8	0.46
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	12	0.46
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	18	0.46
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	9	0.46
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	9	0.46
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	9	0.46
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	5	0.46
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	5	0.46
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	5	0.46
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	3	0.46
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	12	0.46
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	15	0.46
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	17	0.46
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	18	0.46
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	20	0.46
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	1	0.46
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	2	0.46
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	8	0.46
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	9	0.46
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	16	0.46
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	13	0.46
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	2	0.46
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	2	0.46
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	3	0.46
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	8	0.46
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	10	0.46
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	11	0.46
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	15	0.46
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	18	0.46
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	16	0.46
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	1	0.46
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	4	0.46
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	8	0.46
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	12	0.46
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	14	0.46
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	15	0.46
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	13	0.46
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	1	0.46
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	2	0.46
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	3	0.46
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	5	0.46
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	8	0.46
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	14	0.46
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	16	0.46
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	18	0.46
(1,3714)	1:426:A:GLN:HE22	1:437:A:ARG:HB3	6	0.46
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	10	0.46
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	16	0.46
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	8	0.46
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	8	0.46
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	8	0.46
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	6	0.46
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	12	0.46
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	15	0.46
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	1	0.46
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	6	0.46
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	7	0.46
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	14	0.46
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	17	0.46
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	19	0.46
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	4	0.46
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	6	0.46
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	6	0.46
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	9	0.46
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	9	0.46
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	17	0.46
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	1	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	1	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	3	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	5	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	6	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	7	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	9	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	10	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	11	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	12	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	15	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	16	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	17	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	18	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	19	0.46
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	20	0.46
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	8	0.46
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	20	0.46
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	20	0.46
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	1	0.46
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	1	0.46
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	1	0.46
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	1	0.46
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	1	0.46
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	1	0.46
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	19	0.46
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	19	0.46
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	19	0.46
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	19	0.46
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	19	0.46
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	19	0.46
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	15	0.46
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	15	0.46
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	3	0.46
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	7	0.46
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	11	0.46
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	7	0.46
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	7	0.46
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	7	0.46
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	3	0.46
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	3	0.46
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	1	0.46
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	11	0.46
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	14	0.46
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	17	0.46
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	18	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	3	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	3	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	3	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	7	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	7	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	7	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	9	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	9	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	9	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	12	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	12	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	12	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	13	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	13	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	13	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	17	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	17	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	17	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	18	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	18	0.46
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	18	0.46
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	2	0.46
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	5	0.46
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	12	0.46
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	3	0.46
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	3	0.46
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	3	0.46
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	10	0.46
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	10	0.46
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	10	0.46
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	9	0.46
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	9	0.46
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	9	0.46
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	11	0.46
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	11	0.46
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	13	0.46
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	13	0.46
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	13	0.46
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	17	0.46
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	17	0.46
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	17	0.46
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	19	0.46
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	19	0.46
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	19	0.46
(1,2892)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	20	0.46
(1,2892)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	20	0.46
(1,2892)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	20	0.46
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	20	0.46
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	16	0.46
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	18	0.46
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	6	0.46
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	14	0.46
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	17	0.46
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	9	0.46
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	8	0.46
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	9	0.46
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	10	0.46
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	15	0.46
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	5	0.46
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	1	0.46
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	10	0.46
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	18	0.46
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	6	0.46
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	7	0.46
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	10	0.46
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	11	0.46
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	12	0.46
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD1	18	0.46
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD2	18	0.46
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD1	18	0.46
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD2	18	0.46
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD1	18	0.46
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD2	18	0.46
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	1	0.46
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	4	0.46
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	9	0.46
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	20	0.46
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	8	0.46
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	8	0.46
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	8	0.46
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	7	0.46
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	7	0.46
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	7	0.46
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	8	0.46
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	8	0.46
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	8	0.46
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	8	0.46
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	8	0.46
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	8	0.46
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	4	0.46
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	4	0.46
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	4	0.46
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	5	0.46
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	5	0.46
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	5	0.46
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	4	0.46
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	12	0.46
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	14	0.46
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	16	0.46
(1,2507)	1:432:A:ASP:HB3	1:432:A:ASP:HA	19	0.46
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	13	0.46
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	13	0.46
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	13	0.46
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	8	0.46
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	11	0.46
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	14	0.46
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	15	0.46
(1,2418)	1:427:A:PRO:HG2	1:427:A:PRO:HB2	20	0.46
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	17	0.46
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	18	0.46
(1,2332)	1:463:A:VAL:HG21	1:463:A:VAL:HA	1	0.46
(1,2332)	1:463:A:VAL:HG22	1:463:A:VAL:HA	1	0.46
(1,2332)	1:463:A:VAL:HG23	1:463:A:VAL:HA	1	0.46
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	15	0.46
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	19	0.46
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	19	0.46
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	19	0.46
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	11	0.46
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	13	0.46
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	15	0.46
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	16	0.46
(1,1987)	1:399:A:ASP:HA	1:399:A:ASP:H	18	0.46
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	5	0.46
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	16	0.46
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	12	0.46
(1,1886)	1:395:A:GLY:HA3	1:395:A:GLY:H	17	0.46
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	2	0.46
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	4	0.46
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	9	0.46
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	14	0.46
(1,1863)	1:443:A:ILE:HG21	1:443:A:ILE:HB	15	0.46
(1,1863)	1:443:A:ILE:HG22	1:443:A:ILE:HB	15	0.46
(1,1863)	1:443:A:ILE:HG23	1:443:A:ILE:HB	15	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	2	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	2	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	2	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	4	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	4	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	4	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	8	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	8	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	8	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	12	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	12	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	12	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	20	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	20	0.46
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	20	0.46
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	15	0.46
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	19	0.46
(1,1843)	1:413:A:ILE:HD11	1:414:A:ASP:H	5	0.46
(1,1843)	1:413:A:ILE:HD12	1:414:A:ASP:H	5	0.46
(1,1843)	1:413:A:ILE:HD13	1:414:A:ASP:H	5	0.46
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	18	0.46
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	1	0.46
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	19	0.46
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	2	0.46
(1,1706)	1:459:A:LYS:HB2	1:459:A:LYS:H	5	0.46
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	7	0.46
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	10	0.46
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	13	0.46
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	11	0.46
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	6	0.46
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	7	0.46
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	9	0.46
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	12	0.46
(1,1666)	1:453:A:LEU:HG	1:453:A:LEU:HA	15	0.46
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	13	0.46
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	13	0.46
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	13	0.46
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	15	0.46
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	15	0.46
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	15	0.46
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	16	0.46
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	16	0.46
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	16	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	4	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	5	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	7	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	10	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	11	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	12	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	13	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	15	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	16	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	17	0.46
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	19	0.46
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	1	0.46
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	1	0.46
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	1	0.46
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	7	0.46
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	7	0.46
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	7	0.46
(1,1491)	1:347:A:VAL:HB	1:348:A:ASP:H	16	0.46
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	1	0.46
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	9	0.46
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	15	0.46
(1,1369)	1:387:A:LYS:HD2	1:387:A:LYS:HE2	7	0.46
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG11	5	0.46
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG12	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG13	5	0.46
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG11	8	0.46
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG12	8	0.46
(1,1332)	1:381:A:VAL:HA	1:381:A:VAL:HG13	8	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	1	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	1	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	1	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	2	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	2	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	2	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	3	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	3	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	3	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	4	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	4	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	4	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	5	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	5	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	5	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	6	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	6	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	6	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	7	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	7	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	7	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	8	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	8	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	8	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	9	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	9	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	9	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	10	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	10	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	10	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	11	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	11	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	11	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	12	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	12	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	12	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	13	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	13	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	14	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	14	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	14	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	15	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	15	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	15	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	16	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	16	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	16	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	17	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	17	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	17	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	19	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	19	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	19	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG21	20	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG22	20	0.46
(1,1321)	1:343:A:THR:HB	1:343:A:THR:HG23	20	0.46
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	1	0.46
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	8	0.46
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	10	0.46
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	7	0.46
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	13	0.46
(1,1253)	1:453:A:LEU:HB2	1:453:A:LEU:HG	18	0.46
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	14	0.46
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	2	0.46
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	4	0.46
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	9	0.46
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	16	0.46
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	17	0.46
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	9	0.46
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	9	0.46
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	9	0.46
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	19	0.46
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	19	0.46
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	19	0.46
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	3	0.46
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	8	0.46
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	16	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	2	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	4	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	5	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	6	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	7	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	8	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	9	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	10	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	11	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	12	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	13	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	14	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	15	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	16	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	17	0.46
(1,950)	1:455:A:GLY:HA3	1:454:A:PHE:HA	18	0.46
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	2	0.46
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	2	0.46
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	2	0.46
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	3	0.46
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	3	0.46
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	3	0.46
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	4	0.46
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	4	0.46
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	4	0.46
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	6	0.46
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	6	0.46
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	6	0.46
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	7	0.46
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	7	0.46
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	7	0.46
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	11	0.46
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	11	0.46
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	11	0.46
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	13	0.46
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	13	0.46
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	13	0.46
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	15	0.46
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	15	0.46
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	15	0.46
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	12	0.46
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	9	0.46
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	10	0.46
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	13	0.46
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	14	0.46
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	20	0.46
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	17	0.46
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	17	0.46
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	17	0.46
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	2	0.46
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	10	0.46
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	11	0.46
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	17	0.46
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	6	0.46
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	6	0.46
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	6	0.46
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	15	0.46
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	15	0.46
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	15	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	1	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	4	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	5	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	6	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	8	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	9	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	11	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	12	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	13	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	14	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	15	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	16	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	17	0.46
(1,733)	1:388:A:GLU:HB3	1:388:A:GLU:HB2	20	0.46
(1,717)	1:432:A:ASP:HB3	1:433:A:LEU:H	16	0.46
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	1	0.46
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	1	0.46
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	1	0.46
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	17	0.46
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	17	0.46
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	17	0.46
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	1	0.46
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	13	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	4	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	4	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	8	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	8	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	8	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	10	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	10	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	10	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	12	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	12	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	12	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	13	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	13	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	13	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG21	17	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG22	17	0.46
(1,640)	1:375:A:THR:HB	1:375:A:THR:HG23	17	0.46
(1,594)	1:453:A:LEU:HA	1:453:A:LEU:HG	15	0.46
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	3	0.46
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	5	0.46
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	7	0.46
(1,468)	1:373:A:PRO:HA	1:373:A:PRO:HB3	10	0.46
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	17	0.46
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	9	0.46
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	5	0.46
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	5	0.46
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	5	0.46
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	7	0.46
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	7	0.46
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	7	0.46
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG11	8	0.46
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG12	8	0.46
(1,441)	1:381:A:VAL:HB	1:381:A:VAL:HG13	8	0.46
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	9	0.46
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	9	0.46
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	9	0.46
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	6	0.46
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	6	0.46
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	6	0.46
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	9	0.46
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	9	0.46
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	9	0.46
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	15	0.46
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	15	0.46
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	16	0.46
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	16	0.46
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	16	0.46
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	2	0.46
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	2	0.46
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	2	0.46
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	6	0.46
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	6	0.46
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	6	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	4	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	4	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	4	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	11	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	11	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	11	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	16	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	16	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	16	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	18	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	18	0.46
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	18	0.46
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	17	0.46
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	4	0.46
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	4	0.46
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	4	0.46
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	5	0.46
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	5	0.46
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	5	0.46
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	6	0.46
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	8	0.45
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	10	0.45
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	14	0.45
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	12	0.45
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	4	0.45
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	4	0.45
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	4	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	4	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	4	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	4	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	7	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	7	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	9	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	9	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	9	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	10	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	10	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	10	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	15	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	15	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	15	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	18	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	18	0.45
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	18	0.45
(1,4151)	1:348:A:ASP:H	1:354:A:MET:HA	1	0.45
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	10	0.45
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	10	0.45
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	10	0.45
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	13	0.45
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	13	0.45
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	13	0.45
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	20	0.45
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	20	0.45
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	20	0.45
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	8	0.45
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	17	0.45
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	18	0.45
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	7	0.45
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	19	0.45
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	20	0.45
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	4	0.45
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	17	0.45
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	20	0.45
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	15	0.45
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	2	0.45
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	8	0.45
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	12	0.45
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	18	0.45
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	2	0.45
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	12	0.45
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	13	0.45
(1,3932)	1:443:A:ILE:H	1:419:A:GLY:H	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	5	0.45
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	16	0.45
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	7	0.45
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	15	0.45
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	19	0.45
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	19	0.45
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	19	0.45
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	17	0.45
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	17	0.45
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	17	0.45
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	2	0.45
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	6	0.45
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	4	0.45
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	5	0.45
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	10	0.45
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	13	0.45
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	15	0.45
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	17	0.45
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	20	0.45
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	19	0.45
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	9	0.45
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	12	0.45
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	16	0.45
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	17	0.45
(1,3752)	1:425:A:TRP:HE1	1:444:A:ASN:HB2	14	0.45
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	2	0.45
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	5	0.45
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	10	0.45
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	18	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	3	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	5	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	7	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	9	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	11	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	13	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	16	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	17	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	18	0.45
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	20	0.45
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	19	0.45
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	6	0.45
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	11	0.45
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	12	0.45
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	13	0.45
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	20	0.45
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	5	0.45
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	2	0.45
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	8	0.45
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	9	0.45
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	2	0.45
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	2	0.45
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	2	0.45
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	2	0.45
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	3	0.45
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	4	0.45
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	7	0.45
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	19	0.45
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	5	0.45
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	17	0.45
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	1	0.45
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	3	0.45
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	9	0.45
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	10	0.45
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	14	0.45
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	16	0.45
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	3	0.45
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	9	0.45
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	11	0.45
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	12	0.45
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	14	0.45
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	15	0.45
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	17	0.45
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	7	0.45
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	6	0.45
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	13	0.45
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	10	0.45
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	5	0.45
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	5	0.45
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	11	0.45
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	11	0.45
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	12	0.45
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	2	0.45
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3414)	1:385:A:TRP:HD1	1:385:A:TRP:HB2	18	0.45
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	2	0.45
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	5	0.45
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	2	0.45
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	4	0.45
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	8	0.45
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	13	0.45
(1,3324)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	14	0.45
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	6	0.45
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	12	0.45
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	4	0.45
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	7	0.45
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	10	0.45
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	19	0.45
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	5	0.45
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	5	0.45
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	5	0.45
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	5	0.45
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	5	0.45
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	5	0.45
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	5	0.45
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	5	0.45
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	6	0.45
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	6	0.45
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	6	0.45
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	6	0.45
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	6	0.45
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	6	0.45
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	10	0.45
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	10	0.45
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	10	0.45
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	10	0.45
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	10	0.45
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	10	0.45
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	7	0.45
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	7	0.45
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	18	0.45
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	3	0.45
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	5	0.45
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	1	0.45
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	6	0.45
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	14	0.45
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	17	0.45
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	20	0.45
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	5	0.45
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	5	0.45
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	5	0.45
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	19	0.45
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	19	0.45
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	19	0.45
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	2	0.45
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	3	0.45
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	4	0.45
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	8	0.45
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	10	0.45
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	12	0.45
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	15	0.45
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	16	0.45
(1,3014)	1:437:A:ARG:HD2	1:437:A:ARG:HE	20	0.45
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	6	0.45
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	6	0.45
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	6	0.45
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	16	0.45
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	16	0.45
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	16	0.45
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	8	0.45
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	11	0.45
(1,2984)	1:346:A:GLU:HB3	1:346:A:GLU:HG3	6	0.45
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	5	0.45
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	5	0.45
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	5	0.45
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	11	0.45
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	11	0.45
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	11	0.45
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	13	0.45
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	13	0.45
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	13	0.45
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	16	0.45
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	16	0.45
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	16	0.45
(1,2922)	1:459:A:LYS:HB3	1:460:A:GLY:HA3	11	0.45
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	19	0.45
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	19	0.45
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	4	0.45
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	4	0.45
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	4	0.45
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	12	0.45
(1,2867)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	3	0.45
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	3	0.45
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	3	0.45
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	3	0.45
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	9	0.45
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	9	0.45
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	9	0.45
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	15	0.45
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	15	0.45
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	15	0.45
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	1	0.45
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	6	0.45
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	11	0.45
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	2	0.45
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	6	0.45
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	7	0.45
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	11	0.45
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	13	0.45
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	14	0.45
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	17	0.45
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	20	0.45
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	16	0.45
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	18	0.45
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	6	0.45
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	3	0.45
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	8	0.45
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	9	0.45
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	20	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	2	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	3	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	5	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	6	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	7	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	8	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	10	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	11	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	14	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	15	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	17	0.45
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	18	0.45
(1,2578)	1:349:A:LEU:HD11	1:349:A:LEU:H	9	0.45
(1,2578)	1:349:A:LEU:HD12	1:349:A:LEU:H	9	0.45
(1,2578)	1:349:A:LEU:HD13	1:349:A:LEU:H	9	0.45
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	3	0.45
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	3	0.45
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	3	0.45
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	17	0.45
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	17	0.45
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	17	0.45
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	19	0.45
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	19	0.45
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	19	0.45
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	2	0.45
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	2	0.45
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	2	0.45
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	7	0.45
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	2	0.45
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	2	0.45
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	2	0.45
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	8	0.45
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	8	0.45
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	8	0.45
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	1	0.45
(1,2496)	1:449:A:VAL:HA	1:448:A:SER:HB2	3	0.45
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	6	0.45
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	6	0.45
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	6	0.45
(1,2416)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	13	0.45
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	1	0.45
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	12	0.45
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	1	0.45
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	20	0.45
(1,2250)	1:406:A:PRO:HD3	1:405:A:SER:H	10	0.45
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	9	0.45
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	9	0.45
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	9	0.45
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	1	0.45
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	8	0.45
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	5	0.45
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	14	0.45
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	16	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	2	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	3	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	5	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	6	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	7	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	9	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	10	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	11	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	12	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	13	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	14	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	15	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	16	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	17	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	18	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	19	0.45
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	20	0.45
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	5	0.45
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	2	0.45
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	9	0.45
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	4	0.45
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	16	0.45
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	13	0.45
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	18	0.45
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	7	0.45
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	7	0.45
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	7	0.45
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	1	0.45
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	1	0.45
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	3	0.45
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	6	0.45
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	8	0.45
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	9	0.45
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	14	0.45
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	18	0.45
(1,1557)	1:458:A:GLU:HB3	1:458:A:GLU:HA	20	0.45
(1,1495)	1:448:A:SER:HB2	1:448:A:SER:H	1	0.45
(1,1476)	1:403:A:TYR:HB2	1:402:A:PRO:HA	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	4	0.45
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	2	0.45
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	19	0.45
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	5	0.45
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	10	0.45
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	14	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	2	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	5	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	6	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	7	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	8	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	9	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	10	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	11	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	12	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	13	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	14	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	15	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	17	0.45
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	18	0.45
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	6	0.45
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	6	0.45
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	6	0.45
(1,1217)	1:459:A:LYS:HB3	1:459:A:LYS:HA	18	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	2	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	3	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	5	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	6	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	7	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	9	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	10	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	11	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	12	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	13	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	14	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	15	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	16	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	17	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	18	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	19	0.45
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	20	0.45
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	8	0.45
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	8	0.45
(1,943)	1:416:A:THR:HG21	1:416:A:THR:HB	14	0.45
(1,943)	1:416:A:THR:HG22	1:416:A:THR:HB	14	0.45
(1,943)	1:416:A:THR:HG23	1:416:A:THR:HB	14	0.45
(1,908)	1:354:A:MET:HA	1:354:A:MET:HB2	19	0.45
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	4	0.45
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	3	0.45
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	5	0.45
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	2	0.45
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	3	0.45
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	8	0.45
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	9	0.45
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	16	0.45
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	19	0.45
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	1	0.45
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	1	0.45
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	1	0.45
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	2	0.45
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	2	0.45
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	2	0.45
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	6	0.45
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	6	0.45
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	6	0.45
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	11	0.45
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	11	0.45
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	11	0.45
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	14	0.45
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	3	0.45
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	5	0.45
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	6	0.45
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	19	0.45
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	12	0.45
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	12	0.45
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	12	0.45
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	8	0.45
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	8	0.45
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	8	0.45
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	8	0.45
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	11	0.45
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	12	0.45
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	1	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	2	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	3	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	4	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	5	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	6	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	7	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	8	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	9	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	10	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	11	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	12	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	13	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	14	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	15	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	17	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	18	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	19	0.45
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	20	0.45
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	12	0.45
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	12	0.45
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	19	0.45
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	19	0.45
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	20	0.45
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	20	0.45
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	11	0.45
(1,491)	1:358:A:LYS:HB2	1:358:A:LYS:H	5	0.45
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	8	0.45
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	12	0.45
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	14	0.45
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	16	0.45
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	17	0.45
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	9	0.45
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	17	0.45
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	3	0.45
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	3	0.45
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	3	0.45
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	8	0.45
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	8	0.45
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	8	0.45
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	12	0.45
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	12	0.45
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	14	0.45
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	14	0.45
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	14	0.45
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	20	0.45
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	20	0.45
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	20	0.45
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	5	0.45
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	5	0.45
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	5	0.45
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	9	0.45
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	9	0.45
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	9	0.45
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	10	0.45
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	10	0.45
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	10	0.45
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG21	19	0.45
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG22	19	0.45
(1,386)	1:381:A:VAL:HB	1:381:A:VAL:HG23	19	0.45
(1,172)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	13	0.45
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	5	0.45
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	5	0.45
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	5	0.45
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	7	0.45
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	7	0.45
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	7	0.45
(1,52)	1:340:A:MET:HB3	1:340:A:MET:H	4	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	1	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	1	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	1	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	2	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	2	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	2	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	3	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	3	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	3	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	6	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	6	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	6	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	7	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	7	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	8	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	8	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	8	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	9	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	9	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	9	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	11	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	11	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	11	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	12	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	12	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	12	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	13	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	13	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	13	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	14	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	14	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	14	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	15	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	15	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	15	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	16	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	16	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	16	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	17	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	17	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	17	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	18	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	18	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	18	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	19	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	19	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	19	0.45
(1,40)	1:407:A:VAL:HG21	1:407:A:VAL:HB	20	0.45
(1,40)	1:407:A:VAL:HG22	1:407:A:VAL:HB	20	0.45
(1,40)	1:407:A:VAL:HG23	1:407:A:VAL:HB	20	0.45
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	14	0.45
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	19	0.45
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	4	0.44
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	7	0.44
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	12	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	6	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	6	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	7	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	7	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	7	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	11	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	11	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	11	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	19	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	19	0.44
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	19	0.44
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	5	0.44
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	14	0.44
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	15	0.44
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	2	0.44
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	6	0.44
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	7	0.44
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	11	0.44
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	20	0.44
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	1	0.44
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	5	0.44
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	14	0.44
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	15	0.44
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	5	0.44
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	16	0.44
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	14	0.44
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	20	0.44
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	16	0.44
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	4	0.44
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	5	0.44
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	10	0.44
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	17	0.44
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	1	0.44
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	14	0.44
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	2	0.44
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	7	0.44
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	13	0.44
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	1	0.44
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	16	0.44
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	15	0.44
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	15	0.44
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	2	0.44
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	2	0.44
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	2	0.44
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	14	0.44
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	14	0.44
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	14	0.44
(1,3841)	1:444:A:ASN:H	1:443:A:ILE:HA	8	0.44
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	3	0.44
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	6	0.44
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	11	0.44
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	12	0.44
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	14	0.44
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	8	0.44
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	4	0.44
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	20	0.44
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	3	0.44
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	13	0.44
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	16	0.44
(1,3727)	1:393:A:LEU:H	1:405:A:SER:H	20	0.44
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	10	0.44
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	17	0.44
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	15	0.44
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	17	0.44
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	16	0.44
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	16	0.44
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	16	0.44
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	17	0.44
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	17	0.44
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	17	0.44
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	5	0.44
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	6	0.44
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	8	0.44
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	9	0.44
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	10	0.44
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	13	0.44
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	14	0.44
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	18	0.44
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	7	0.44
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	13	0.44
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	13	0.44
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	13	0.44
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	4	0.44
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	7	0.44
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	13	0.44
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	17	0.44
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	18	0.44
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	20	0.44
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	8	0.44
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	9	0.44
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	11	0.44
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	12	0.44
(1,3505)	1:408:A:ASN:HD21	1:408:A:ASN:HA	4	0.44
(1,3482)	1:356:A:TYR:H	1:364:A:LEU:H	1	0.44
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	1	0.44
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	12	0.44
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	18	0.44
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	17	0.44
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	6	0.44
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	6	0.44
(1,3414)	1:385:A:TRP:HD1	1:385:A:TRP:HB2	19	0.44
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	8	0.44
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	9	0.44
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	11	0.44
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	16	0.44
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	17	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	1	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	2	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	3	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	5	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	8	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	9	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	11	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	12	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	13	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	14	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	15	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	16	0.44
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	20	0.44
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	5	0.44
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	13	0.44
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	19	0.44
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	3	0.44
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	3	0.44
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	3	0.44
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	3	0.44
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	3	0.44
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	18	0.44
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	18	0.44
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	18	0.44
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	18	0.44
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	18	0.44
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	18	0.44
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	20	0.44
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	20	0.44
(1,3261)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	20	0.44
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	20	0.44
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	20	0.44
(1,3261)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	20	0.44
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	4	0.44
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	4	0.44
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	9	0.44
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	9	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	1	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	3	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	5	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	6	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	7	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	9	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	10	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	12	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	15	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	16	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	17	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	18	0.44
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	20	0.44
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	7	0.44
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	2	0.44
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	8	0.44
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	9	0.44
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	2	0.44
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	10	0.44
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	11	0.44
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	12	0.44
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	16	0.44
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	18	0.44
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	18	0.44
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	18	0.44
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	18	0.44
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	10	0.44
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	10	0.44
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	10	0.44
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	15	0.44
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	15	0.44
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	15	0.44
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	1	0.44
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	4	0.44
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	1	0.44
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	3	0.44
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	4	0.44
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	12	0.44
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	16	0.44
(1,2940)	1:448:A:SER:HB3	1:448:A:SER:H	17	0.44
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	15	0.44
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	15	0.44
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	15	0.44
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	1	0.44
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	1	0.44
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	1	0.44
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	2	0.44
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	2	0.44
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	2	0.44
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	14	0.44
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	1	0.44
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	1	0.44
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	1	0.44
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	4	0.44
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	4	0.44
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	4	0.44
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	5	0.44
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	5	0.44
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	5	0.44
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	8	0.44
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	8	0.44
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	8	0.44
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	1	0.44
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	5	0.44
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	11	0.44
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	3	0.44
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	10	0.44
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	6	0.44
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	10	0.44
(1,2694)	1:352:A:GLN:HA	1:353:A:HIS:H	4	0.44
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	1	0.44
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	4	0.44
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	1	0.44
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	2	0.44
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	4	0.44
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	5	0.44
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	16	0.44
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	17	0.44
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	18	0.44
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	19	0.44
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	18	0.44
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	18	0.44
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	18	0.44
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	20	0.44
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	20	0.44
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	20	0.44
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	16	0.44
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	16	0.44
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	16	0.44
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	17	0.44
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	17	0.44
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	17	0.44
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	6	0.44
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	9	0.44
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	11	0.44
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	12	0.44
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	13	0.44
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	14	0.44
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	17	0.44
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	18	0.44
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	13	0.44
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	13	0.44
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	13	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	2	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	3	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	4	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	5	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	6	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	7	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	8	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	9	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	10	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	11	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	12	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	13	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	14	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	15	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	16	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	17	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	18	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	19	0.44
(1,2532)	1:456:A:MET:HB3	1:456:A:MET:HA	20	0.44
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	11	0.44
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	15	0.44
(1,2478)	1:443:A:ILE:HG21	1:444:A:ASN:H	1	0.44
(1,2478)	1:443:A:ILE:HG22	1:444:A:ASN:H	1	0.44
(1,2478)	1:443:A:ILE:HG23	1:444:A:ASN:H	1	0.44
(1,2475)	1:443:A:ILE:HD11	1:443:A:ILE:H	7	0.44
(1,2475)	1:443:A:ILE:HD12	1:443:A:ILE:H	7	0.44
(1,2475)	1:443:A:ILE:HD13	1:443:A:ILE:H	7	0.44
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	17	0.44
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	4	0.44
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	7	0.44
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	2	0.44
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	6	0.44
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	9	0.44
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	20	0.44
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	5	0.44
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	12	0.44
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	13	0.44
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	4	0.44
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	5	0.44
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	5	0.44
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	5	0.44
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	2	0.44
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	3	0.44
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	4	0.44
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	9	0.44
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	10	0.44
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	12	0.44
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	1	0.44
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	1	0.44
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	1	0.44
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	11	0.44
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	11	0.44
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	11	0.44
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	12	0.44
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	12	0.44
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	12	0.44
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	14	0.44
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	14	0.44
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	14	0.44
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	19	0.44
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	19	0.44
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	19	0.44
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	9	0.44
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	3	0.44
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	1	0.44
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	4	0.44
(1,1823)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	8	0.44
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	7	0.44
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	2	0.44
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	2	0.44
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	2	0.44
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	2	0.44
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	5	0.44
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	12	0.44
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	1	0.44
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	17	0.44
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	1	0.44
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	1	0.44
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	1	0.44
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	5	0.44
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	5	0.44
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	5	0.44
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	14	0.44
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	14	0.44
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	15	0.44
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	15	0.44
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	15	0.44
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE1	8	0.44
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE2	8	0.44
(1,1605)	1:411:A:MET:HG3	1:411:A:MET:HE3	8	0.44
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	17	0.44
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	17	0.44
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	17	0.44
(1,1503)	1:367:A:ASP:HA	1:367:A:ASP:HB2	1	0.44
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	6	0.44
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	14	0.44
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	16	0.44
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	19	0.44
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	16	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	1	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	2	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	3	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	4	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	6	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	7	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	8	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	9	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	11	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	12	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	13	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	15	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	16	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	17	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	18	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	19	0.44
(1,1326)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	20	0.44
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	11	0.44
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	16	0.44
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	17	0.44
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	19	0.44
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	20	0.44
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	1	0.44
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	3	0.44
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	16	0.44
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	19	0.44
(1,1280)	1:366:A:THR:HA	1:366:A:THR:H	20	0.44
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	8	0.44
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	15	0.44
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	10	0.44
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	1	0.44
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	1	0.44
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	1	0.44
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	2	0.44
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	2	0.44
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	2	0.44
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	2	0.44
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	2	0.44
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	2	0.44
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	11	0.44
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	11	0.44
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	11	0.44
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	13	0.44
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	13	0.44
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	13	0.44
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	15	0.44
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG21	14	0.44
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG22	14	0.44
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG23	14	0.44
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	4	0.44
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	5	0.44
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	11	0.44
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	13	0.44
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	17	0.44
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	18	0.44
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	20	0.44
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	1	0.44
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	4	0.44
(1,955)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	8	0.44
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	9	0.44
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	1	0.44
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	4	0.44
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	7	0.44
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	11	0.44
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	12	0.44
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	17	0.44
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	18	0.44
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	20	0.44
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	20	0.44
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	20	0.44
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	8	0.44
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	12	0.44
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	14	0.44
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	15	0.44
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	16	0.44
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	20	0.44
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	11	0.44
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	11	0.44
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	11	0.44
(1,717)	1:432:A:ASP:HB3	1:433:A:LEU:H	19	0.44
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	19	0.44
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	19	0.44
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	19	0.44
(1,549)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	16	0.44
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	18	0.44
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	18	0.44
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	18	0.44
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	11	0.44
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	11	0.44
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	17	0.44
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	17	0.44
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	1	0.44
(1,502)	1:408:A:ASN:HA	1:409:A:TYR:HB2	4	0.44
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	4	0.44
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	7	0.44
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	8	0.44
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	9	0.44
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	11	0.44
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	13	0.44
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	14	0.44
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	15	0.44
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	19	0.44
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	20	0.44
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	18	0.44
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	16	0.44
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	20	0.44
(1,418)	1:349:A:LEU:HD21	1:350:A:GLU:H	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:349:A:LEU:HD22	1:350:A:GLU:H	16	0.44
(1,418)	1:349:A:LEU:HD23	1:350:A:GLU:H	16	0.44
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	7	0.44
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	7	0.44
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	7	0.44
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	17	0.44
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	17	0.44
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	17	0.44
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	4	0.44
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	4	0.44
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	4	0.44
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	2	0.44
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	5	0.44
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	6	0.44
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	12	0.44
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	15	0.44
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	19	0.44
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	1	0.44
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	8	0.44
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	9	0.44
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	15	0.44
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	2	0.43
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	11	0.43
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	13	0.43
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	18	0.43
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	19	0.43
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	16	0.43
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	3	0.43
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	3	0.43
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	3	0.43
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	5	0.43
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	5	0.43
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	5	0.43
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	5	0.43
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	5	0.43
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	5	0.43
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	8	0.43
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	8	0.43
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	8	0.43
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	18	0.43
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	18	0.43
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	7	0.43
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	17	0.43
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	16	0.43
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	8	0.43
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	10	0.43
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	20	0.43
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	1	0.43
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	12	0.43
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	3	0.43
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	12	0.43
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	13	0.43
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	15	0.43
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	3	0.43
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	6	0.43
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	9	0.43
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	11	0.43
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	12	0.43
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	15	0.43
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	5	0.43
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	7	0.43
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	8	0.43
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	3	0.43
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	9	0.43
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	11	0.43
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	18	0.43
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	3	0.43
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	10	0.43
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	11	0.43
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	18	0.43
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	20	0.43
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	9	0.43
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	11	0.43
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	14	0.43
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	20	0.43
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	11	0.43
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	19	0.43
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	12	0.43
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	12	0.43
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	12	0.43
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	20	0.43
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	20	0.43
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	3	0.43
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	3	0.43
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	3	0.43
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	11	0.43
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	11	0.43
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	11	0.43
(1,3834)	1:449:A:VAL:H	1:448:A:SER:H	2	0.43
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	18	0.43
(1,3829)	1:422:A:ASP:H	1:421:A:HIS:HA	19	0.43
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	17	0.43
(1,3762)	1:354:A:MET:H	1:353:A:HIS:HA	1	0.43
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	1	0.43
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	4	0.43
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	6	0.43
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	8	0.43
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	9	0.43
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	12	0.43
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	17	0.43
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	19	0.43
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	20	0.43
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	6	0.43
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	6	0.43
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	6	0.43
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	9	0.43
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	9	0.43
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	9	0.43
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	17	0.43
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	17	0.43
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	17	0.43
(1,3717)	1:456:A:MET:H	1:455:A:GLY:H	19	0.43
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	12	0.43
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	14	0.43
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	4	0.43
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	4	0.43
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	4	0.43
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	7	0.43
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	7	0.43
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	7	0.43
(1,3628)	1:465:A:VAL:H	1:464:A:LEU:HA	15	0.43
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	6	0.43
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	9	0.43
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	8	0.43
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	11	0.43
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	18	0.43
(1,3580)	1:460:A:GLY:H	1:460:A:GLY:HA2	19	0.43
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	2	0.43
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	4	0.43
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	5	0.43
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	16	0.43
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	3	0.43
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	16	0.43
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	17	0.43
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	20	0.43
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	7	0.43
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	14	0.43
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	3	0.43
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	3	0.43
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	14	0.43
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	14	0.43
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	15	0.43
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	15	0.43
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	19	0.43
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	3	0.43
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	12	0.43
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	20	0.43
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	18	0.43
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	18	0.43
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	13	0.43
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	18	0.43
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	3	0.43
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	16	0.43
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	20	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	2	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	2	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	2	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	2	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	4	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	4	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	4	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	4	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	11	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	11	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	11	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	12	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	12	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	12	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	12	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	15	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	15	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	15	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	15	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	16	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	16	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	16	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	16	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	19	0.43
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	19	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	19	0.43
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	19	0.43
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	6	0.43
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	17	0.43
(1,3283)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	18	0.43
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	15	0.43
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	15	0.43
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	19	0.43
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	19	0.43
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	1	0.43
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	7	0.43
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	8	0.43
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	14	0.43
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	19	0.43
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	19	0.43
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	19	0.43
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	19	0.43
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	2	0.43
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	4	0.43
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	8	0.43
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	11	0.43
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	13	0.43
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	14	0.43
(1,3195)	1:415:A:TRP:HZ2	1:415:A:TRP:HH2	19	0.43
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	19	0.43
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	17	0.43
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	18	0.43
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	19	0.43
(1,3060)	1:354:A:MET:HE1	1:445:A:THR:H	6	0.43
(1,3060)	1:354:A:MET:HE2	1:445:A:THR:H	6	0.43
(1,3060)	1:354:A:MET:HE3	1:445:A:THR:H	6	0.43
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	1	0.43
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	3	0.43
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	5	0.43
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	6	0.43
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	7	0.43
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	8	0.43
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	10	0.43
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	12	0.43
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	15	0.43
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	20	0.43
(1,3038)	1:341:A:GLU:HA	1:340:A:MET:HB2	15	0.43
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	18	0.43
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	18	0.43
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	18	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	2	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	2	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	2	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	4	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	4	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	4	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	5	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	5	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	5	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	8	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	8	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	8	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	11	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	11	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	11	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	14	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	14	0.43
(1,3005)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	14	0.43
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	3	0.43
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	6	0.43
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	10	0.43
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	14	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	2	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	3	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	4	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	5	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	6	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	7	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	8	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	9	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	10	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	11	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	12	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	13	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	14	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	15	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	16	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	17	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	18	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	19	0.43
(1,2992)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	20	0.43
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	1	0.43
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	1	0.43
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	1	0.43
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	6	0.43
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	6	0.43
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	6	0.43
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	12	0.43
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	12	0.43
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	12	0.43
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	17	0.43
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	17	0.43
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	17	0.43
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	12	0.43
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	12	0.43
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	12	0.43
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	20	0.43
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	20	0.43
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	20	0.43
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	2	0.43
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	2	0.43
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	2	0.43
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	6	0.43
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	6	0.43
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	7	0.43
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	7	0.43
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	7	0.43
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	10	0.43
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	10	0.43
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	10	0.43
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	13	0.43
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	13	0.43
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	13	0.43
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	14	0.43
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	14	0.43
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	14	0.43
(1,2852)	1:347:A:VAL:HG11	1:347:A:VAL:HA	18	0.43
(1,2852)	1:347:A:VAL:HG12	1:347:A:VAL:HA	18	0.43
(1,2852)	1:347:A:VAL:HG13	1:347:A:VAL:HA	18	0.43
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	3	0.43
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	7	0.43
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	10	0.43
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	13	0.43
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	14	0.43
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	15	0.43
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	17	0.43
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	18	0.43
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	6	0.43
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	7	0.43
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	10	0.43
(1,2829)	1:447:A:PRO:HG3	1:447:A:PRO:HA	20	0.43
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	18	0.43
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	18	0.43
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	18	0.43
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	18	0.43
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	18	0.43
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	18	0.43
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	18	0.43
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	13	0.43
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	13	0.43
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	13	0.43
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	9	0.43
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	13	0.43
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	14	0.43
(1,2603)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	13	0.43
(1,2580)	1:368:A:ILE:HG13	1:368:A:ILE:HB	19	0.43
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	1	0.43
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	1	0.43
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	1	0.43
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	2	0.43
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	2	0.43
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	2	0.43
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	4	0.43
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	4	0.43
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	4	0.43
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	5	0.43
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	5	0.43
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	5	0.43
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	13	0.43
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	13	0.43
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	13	0.43
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	16	0.43
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	16	0.43
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	16	0.43
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	4	0.43
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	4	0.43
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	4	0.43
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	7	0.43
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	7	0.43
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	7	0.43
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	1	0.43
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	2	0.43
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	4	0.43
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	5	0.43
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	8	0.43
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	10	0.43
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	15	0.43
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	19	0.43
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	20	0.43
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	10	0.43
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	10	0.43
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	10	0.43
(1,2541)	1:354:A:MET:HE1	1:355:A:TRP:H	18	0.43
(1,2541)	1:354:A:MET:HE2	1:355:A:TRP:H	18	0.43
(1,2541)	1:354:A:MET:HE3	1:355:A:TRP:H	18	0.43
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	2	0.43
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	2	0.43
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	2	0.43
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	18	0.43
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	18	0.43
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	18	0.43
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	7	0.43
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	18	0.43
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	18	0.43
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	18	0.43
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	14	0.43
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	5	0.43
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	8	0.43
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	10	0.43
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	6	0.43
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	5	0.43
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	8	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	1	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	3	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	4	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	7	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	8	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	10	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	11	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	12	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	13	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	15	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	16	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	17	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	18	0.43
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	19	0.43
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	15	0.43
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	1	0.43
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	6	0.43
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	8	0.43
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	9	0.43
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	10	0.43
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	16	0.43
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	19	0.43
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	20	0.43
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	11	0.43
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG21	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG22	19	0.43
(1,2194)	1:413:A:ILE:HA	1:413:A:ILE:HG23	19	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	3	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	3	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	3	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	4	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	4	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	4	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	6	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	6	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	6	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	17	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	17	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	17	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	18	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	18	0.43
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	18	0.43
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	3	0.43
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	18	0.43
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	6	0.43
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	8	0.43
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	11	0.43
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	13	0.43
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	14	0.43
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	15	0.43
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	16	0.43
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	17	0.43
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	18	0.43
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	3	0.43
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	3	0.43
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	3	0.43
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	4	0.43
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	4	0.43
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	4	0.43
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	7	0.43
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	7	0.43
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	7	0.43
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	8	0.43
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	8	0.43
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	8	0.43
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	10	0.43
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	10	0.43
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	14	0.43
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	14	0.43
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	14	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	6	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	6	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	6	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	9	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	9	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	9	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	16	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	16	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	16	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	17	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	17	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	17	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	20	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	20	0.43
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	20	0.43
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	9	0.43
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	13	0.43
(1,1908)	1:428:A:GLU:HG2	1:429:A:TYR:HA	18	0.43
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	5	0.43
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	20	0.43
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	5	0.43
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	5	0.43
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	5	0.43
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	15	0.43
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	15	0.43
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	8	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	2	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	2	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	2	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	3	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	3	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	3	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	4	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	4	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	4	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	6	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	6	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	7	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	7	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	7	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	8	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	8	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	8	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	9	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	9	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	9	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	10	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	10	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	10	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	11	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	11	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	11	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	13	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	13	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	13	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	16	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	16	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	16	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	17	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	17	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	17	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	18	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	18	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	18	0.43
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	20	0.43
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	20	0.43
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	20	0.43
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	2	0.43
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	9	0.43
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	10	0.43
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	11	0.43
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	12	0.43
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	17	0.43
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	15	0.43
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	17	0.43
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	5	0.43
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	5	0.43
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	5	0.43
(1,1495)	1:448:A:SER:HB2	1:448:A:SER:H	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:448:A:SER:HB2	1:448:A:SER:H	4	0.43
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	2	0.43
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	2	0.43
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	7	0.43
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	12	0.43
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	6	0.43
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	9	0.43
(1,1224)	1:450:A:MET:HA	1:450:A:MET:H	14	0.43
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	16	0.43
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	3	0.43
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	6	0.43
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	18	0.43
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	14	0.43
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	14	0.43
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	14	0.43
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	16	0.43
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	16	0.43
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	16	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	1	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	2	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	3	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	4	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	5	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	6	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	7	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	8	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	9	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	10	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	11	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	12	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	14	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	15	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	16	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	17	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	18	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	19	0.43
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	20	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	1	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	1	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	1	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	3	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	3	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	6	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	6	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	6	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	7	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	7	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	7	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	10	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	10	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	10	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	14	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	14	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	14	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	17	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	17	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	17	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	18	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	18	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	18	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	20	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	20	0.43
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	20	0.43
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	1	0.43
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	6	0.43
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	9	0.43
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	14	0.43
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	17	0.43
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	7	0.43
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	19	0.43
(1,813)	1:376:A:PRO:HD2	1:375:A:THR:HA	6	0.43
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	3	0.43
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	3	0.43
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	3	0.43
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	5	0.43
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	5	0.43
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	5	0.43
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	1	0.43
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	4	0.43
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	17	0.43
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	17	0.43
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	17	0.43
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	17	0.43
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	1	0.43
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	1	0.43
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	1	0.43
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	3	0.43
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	4	0.43
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	4	0.43
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	10	0.43
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	10	0.43
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	1	0.43
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	2	0.43
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	3	0.43
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	5	0.43
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	6	0.43
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	12	0.43
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	16	0.43
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	17	0.43
(1,483)	1:393:A:LEU:HG	1:393:A:LEU:HB3	18	0.43
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	1	0.43
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	17	0.43
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	11	0.43
(1,465)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	4	0.43
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	9	0.43
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	16	0.43
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	17	0.43
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	18	0.43
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	13	0.43
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	13	0.43
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	13	0.43
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	13	0.43
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	17	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	1	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	3	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	4	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	7	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	8	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	9	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	10	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	11	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	13	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	14	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	17	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	18	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	19	0.43
(1,248)	1:406:A:PRO:HB3	1:406:A:PRO:HA	20	0.43
(1,165)	1:437:A:ARG:HB2	1:426:A:GLN:HE22	13	0.43
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	7	0.43
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	1	0.43
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	20	0.43
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	7	0.43
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	20	0.43
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	14	0.43
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	14	0.43
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	14	0.43
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	15	0.43
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	15	0.43
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	15	0.43
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	3	0.43
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	16	0.43
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	17	0.43
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG21	1	0.42
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG22	1	0.42
(1,4153)	1:346:A:GLU:H	1:345:A:ILE:HG23	1	0.42
(1,4141)	1:359:A:ASP:H	1:343:A:THR:HA	5	0.42
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	15	0.42
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	15	0.42
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	15	0.42
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	2	0.42
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	4	0.42
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	12	0.42
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	4	0.42
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	5	0.42
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	8	0.42
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	10	0.42
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	13	0.42
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	15	0.42
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	17	0.42
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	4	0.42
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	6	0.42
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	9	0.42
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	17	0.42
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	7	0.42
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	6	0.42
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	2	0.42
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	7	0.42
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	10	0.42
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	17	0.42
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	3	0.42
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	19	0.42
(1,3969)	1:464:A:LEU:H	1:463:A:VAL:HA	19	0.42
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	19	0.42
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	19	0.42
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	19	0.42
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	13	0.42
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	15	0.42
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	1	0.42
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	5	0.42
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	8	0.42
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	10	0.42
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	15	0.42
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	17	0.42
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	18	0.42
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	6	0.42
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	9	0.42
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	18	0.42
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	2	0.42
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	2	0.42
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	2	0.42
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	13	0.42
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	13	0.42
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	13	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	6	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	6	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	6	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	9	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	9	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	9	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	19	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	19	0.42
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	19	0.42
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	13	0.42
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	1	0.42
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	2	0.42
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	19	0.42
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	8	0.42
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	18	0.42
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	1	0.42
(1,3780)	1:438:A:GLY:H	1:372:A:LYS:H	11	0.42
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	19	0.42
(1,3751)	1:451:A:LYS:H	1:452:A:GLU:H	14	0.42
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	15	0.42
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	10	0.42
(1,3729)	1:405:A:SER:H	1:404:A:GLU:HB3	19	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	3	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	3	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	3	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	8	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	8	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	8	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	10	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	10	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	10	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	11	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	11	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	11	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	12	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	12	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	12	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	15	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	15	0.42
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	15	0.42
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	1	0.42
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	2	0.42
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	12	0.42
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	3	0.42
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	6	0.42
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	1	0.42
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	1	0.42
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	1	0.42
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	9	0.42
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	9	0.42
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	9	0.42
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	8	0.42
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	16	0.42
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	10	0.42
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	6	0.42
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	7	0.42
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	9	0.42
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	19	0.42
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	4	0.42
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	11	0.42
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	16	0.42
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	17	0.42
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	4	0.42
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	5	0.42
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	11	0.42
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	2	0.42
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	5	0.42
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	10	0.42
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	10	0.42
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	1	0.42
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	1	0.42
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	1	0.42
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	18	0.42
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	18	0.42
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	18	0.42
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	4	0.42
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	6	0.42
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	18	0.42
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	5	0.42
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	13	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	1	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	1	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	1	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	1	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	3	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	3	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	3	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	3	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	5	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	5	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	5	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	5	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	6	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	6	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	6	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	7	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	7	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	7	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	7	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	8	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	8	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	8	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	8	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	9	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	9	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	9	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	9	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	10	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	10	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	10	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	10	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	13	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	13	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	13	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	13	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	14	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	14	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	14	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	14	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	17	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	17	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	17	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	17	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	18	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	18	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	18	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	18	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE1	20	0.42
(1,3284)	1:382:A:PHE:HD1	1:382:A:PHE:HE2	20	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE1	20	0.42
(1,3284)	1:382:A:PHE:HD2	1:382:A:PHE:HE2	20	0.42
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	2	0.42
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	3	0.42
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	4	0.42
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	9	0.42
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	15	0.42
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	18	0.42
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	8	0.42
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	8	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	1	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	1	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	1	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	1	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	2	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	2	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	2	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	2	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	3	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	3	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	3	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	3	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	4	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	4	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	4	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	4	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	5	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	5	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	5	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	5	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	6	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	6	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	6	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	6	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	7	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	7	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	7	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	7	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	8	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	8	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	8	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	8	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	9	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	9	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	9	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	9	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	10	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	10	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	10	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	11	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	11	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	11	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	11	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	12	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	12	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	12	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	12	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	13	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	13	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	13	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	13	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	14	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	14	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	14	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	14	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	15	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	15	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	15	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	15	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	16	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	16	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	16	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	16	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	17	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	17	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	17	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	17	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	18	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	18	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	18	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	18	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	20	0.42
(1,3212)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	20	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	20	0.42
(1,3212)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	20	0.42
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	15	0.42
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	16	0.42
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	16	0.42
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	20	0.42
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	4	0.42
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	6	0.42
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	11	0.42
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	16	0.42
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	19	0.42
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	4	0.42
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	2	0.42
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	4	0.42
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	9	0.42
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	11	0.42
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	13	0.42
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	16	0.42
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	17	0.42
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	18	0.42
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	19	0.42
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	7	0.42
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	18	0.42
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	20	0.42
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	14	0.42
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	13	0.42
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	18	0.42
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	2	0.42
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	2	0.42
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	2	0.42
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	13	0.42
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	13	0.42
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	13	0.42
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	7	0.42
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	7	0.42
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	7	0.42
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	13	0.42
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	13	0.42
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	13	0.42
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	16	0.42
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	16	0.42
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	16	0.42
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	12	0.42
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	12	0.42
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	12	0.42
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	18	0.42
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	18	0.42
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	13	0.42
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	2	0.42
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	4	0.42
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	8	0.42
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	12	0.42
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	20	0.42
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	4	0.42
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	4	0.42
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	4	0.42
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	14	0.42
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	14	0.42
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	14	0.42
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	7	0.42
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	16	0.42
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	20	0.42
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	1	0.42
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	4	0.42
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	8	0.42
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	7	0.42
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	7	0.42
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	7	0.42
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	14	0.42
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	14	0.42
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	14	0.42
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	2	0.42
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	4	0.42
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	2	0.42
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	15	0.42
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	20	0.42
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	12	0.42
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	9	0.42
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	9	0.42
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	9	0.42
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	11	0.42
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	11	0.42
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	11	0.42
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	15	0.42
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	15	0.42
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	15	0.42
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	1	0.42
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	1	0.42
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	1	0.42
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	9	0.42
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	9	0.42
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	9	0.42
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	3	0.42
(1,2517)	1:381:A:VAL:HB	1:381:A:VAL:HA	20	0.42
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	4	0.42
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	16	0.42
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	18	0.42
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	10	0.42
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	10	0.42
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	10	0.42
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	12	0.42
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	12	0.42
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	12	0.42
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	11	0.42
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	11	0.42
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	11	0.42
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	19	0.42
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	19	0.42
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	19	0.42
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	2	0.42
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	12	0.42
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	13	0.42
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	15	0.42
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	16	0.42
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	19	0.42
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	20	0.42
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	4	0.42
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	17	0.42
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	20	0.42
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	2	0.42
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	5	0.42
(1,2274)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	14	0.42
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	3	0.42
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	7	0.42
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	9	0.42
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	11	0.42
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	14	0.42
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	17	0.42
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	2	0.42
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	3	0.42
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	5	0.42
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	7	0.42
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	11	0.42
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	12	0.42
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	13	0.42
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	17	0.42
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	1	0.42
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	2	0.42
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	3	0.42
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	8	0.42
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	13	0.42
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	20	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	1	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	1	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	1	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	2	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	2	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	2	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	8	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	8	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	8	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	12	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	12	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	12	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	16	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	16	0.42
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	16	0.42
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	19	0.42
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	1	0.42
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	7	0.42
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	2	0.42
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	2	0.42
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	2	0.42
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	16	0.42
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	16	0.42
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	16	0.42
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	20	0.42
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	20	0.42
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	20	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	3	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	3	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	11	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	11	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	11	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	12	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	12	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	12	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	18	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	18	0.42
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	18	0.42
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	13	0.42
(1,1910)	1:436:A:THR:HA	1:436:A:THR:HB	7	0.42
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	16	0.42
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	16	0.42
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	16	0.42
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	16	0.42
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	16	0.42
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	16	0.42
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	16	0.42
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	16	0.42
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	16	0.42
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	2	0.42
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	11	0.42
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	13	0.42
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	16	0.42
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	9	0.42
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	9	0.42
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	9	0.42
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	10	0.42
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	10	0.42
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	10	0.42
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	4	0.42
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	18	0.42
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	13	0.42
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	19	0.42
(1,1686)	1:459:A:LYS:HG3	1:459:A:LYS:HD2	14	0.42
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	12	0.42
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	12	0.42
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	12	0.42
(1,1654)	1:349:A:LEU:HD21	1:349:A:LEU:HG	19	0.42
(1,1654)	1:349:A:LEU:HD22	1:349:A:LEU:HG	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1654)	1:349:A:LEU:HD23	1:349:A:LEU:HG	19	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	3	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	4	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	5	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	6	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	7	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	8	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	13	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	14	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	15	0.42
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	20	0.42
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	1	0.42
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	4	0.42
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	16	0.42
(1,1511)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	15	0.42
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	8	0.42
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	8	0.42
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	8	0.42
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	5	0.42
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	12	0.42
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	15	0.42
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	1	0.42
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	4	0.42
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	5	0.42
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	6	0.42
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	8	0.42
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	9	0.42
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	10	0.42
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	13	0.42
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	14	0.42
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	18	0.42
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	1	0.42
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	10	0.42
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	14	0.42
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	19	0.42
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	20	0.42
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	3	0.42
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	19	0.42
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	2	0.42
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	4	0.42
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	9	0.42
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	2	0.42
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	12	0.42
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	13	0.42
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	10	0.42
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	10	0.42
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	10	0.42
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	4	0.42
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	4	0.42
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	4	0.42
(1,1122)	1:354:A:MET:HA	1:354:A:MET:HB3	13	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	4	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	4	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	4	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	5	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	5	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	5	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	8	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	8	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	8	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	12	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	12	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	12	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	16	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	16	0.42
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	16	0.42
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	13	0.42
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	13	0.42
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	13	0.42
(1,1083)	1:387:A:LYS:HD3	1:387:A:LYS:H	7	0.42
(1,1073)	1:388:A:GLU:HB2	1:389:A:GLU:HA	8	0.42
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	7	0.42
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	2	0.42
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	15	0.42
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	4	0.42
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	6	0.42
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	11	0.42
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	16	0.42
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	19	0.42
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	9	0.42
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	9	0.42
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	9	0.42
(1,797)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	20	0.42
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	16	0.42
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	16	0.42
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	16	0.42
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	7	0.42
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	10	0.42
(1,738)	1:373:A:PRO:HA	1:374:A:THR:H	13	0.42
(1,717)	1:432:A:ASP:HB3	1:433:A:LEU:H	13	0.42
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	4	0.42
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	4	0.42
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	4	0.42
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	18	0.42
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	18	0.42
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	18	0.42
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	5	0.42
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	12	0.42
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	14	0.42
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	2	0.42
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	3	0.42
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	12	0.42
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	12	0.42
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	12	0.42
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	12	0.42
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	12	0.42
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	12	0.42
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	12	0.42
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	12	0.42
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	12	0.42
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	2	0.42
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	9	0.42
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	3	0.42
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	3	0.42
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	18	0.42
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	18	0.42
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	3	0.42
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	9	0.42
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	4	0.42
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	19	0.42
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	7	0.42
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	13	0.42
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	20	0.42
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	2	0.42
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	3	0.42
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	7	0.42
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	8	0.42
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	10	0.42
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	15	0.42
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	19	0.42
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	20	0.42
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	1	0.42
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	18	0.42
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	1	0.42
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	1	0.42
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	1	0.42
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	11	0.42
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	11	0.42
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	11	0.42
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	14	0.42
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	14	0.42
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	14	0.42
(1,401)	1:391:A:ALA:HB1	1:390:A:ASP:HA	16	0.42
(1,401)	1:391:A:ALA:HB2	1:390:A:ASP:HA	16	0.42
(1,401)	1:391:A:ALA:HB3	1:390:A:ASP:HA	16	0.42
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	14	0.42
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	19	0.42
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	5	0.42
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	12	0.42
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	14	0.42
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	2	0.42
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	15	0.42
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	17	0.42
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	1	0.42
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	1	0.42
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	3	0.42
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	3	0.42
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	4	0.42
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	4	0.42
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	10	0.42
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	10	0.42
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	5	0.42
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	9	0.42
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	12	0.42
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	16	0.42
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	8	0.42
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	8	0.42
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	8	0.42
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	13	0.42
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	13	0.42
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	13	0.42
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	20	0.42
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	20	0.42
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	20	0.42
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	7	0.42
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	19	0.41
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	17	0.41
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	2	0.41
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	2	0.41
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	2	0.41
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	17	0.41
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	17	0.41
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	17	0.41
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	1	0.41
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	1	0.41
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	1	0.41
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	3	0.41
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	3	0.41
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	3	0.41
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	12	0.41
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	12	0.41
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	12	0.41
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	18	0.41
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	4	0.41
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	8	0.41
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	18	0.41
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	19	0.41
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	13	0.41
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	18	0.41
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	3	0.41
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	14	0.41
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	16	0.41
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	11	0.41
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	18	0.41
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	20	0.41
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	14	0.41
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	8	0.41
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	6	0.41
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	8	0.41
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	6	0.41
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	6	0.41
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	8	0.41
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	17	0.41
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	3	0.41
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	4	0.41
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	6	0.41
(1,3888)	1:395:A:GLY:H	1:403:A:TYR:H	5	0.41
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	3	0.41
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	9	0.41
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	7	0.41
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	7	0.41
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	7	0.41
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	10	0.41
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	10	0.41
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	10	0.41
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	11	0.41
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	11	0.41
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	11	0.41
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	7	0.41
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	7	0.41
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	7	0.41
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	12	0.41
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	12	0.41
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	12	0.41
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	1	0.41
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	3	0.41
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	4	0.41
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	5	0.41
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	8	0.41
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	10	0.41
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	14	0.41
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	8	0.41
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	11	0.41
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	14	0.41
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	16	0.41
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	20	0.41
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	11	0.41
(1,3733)	1:443:A:ILE:H	1:443:A:ILE:HB	14	0.41
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	4	0.41
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	4	0.41
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	4	0.41
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	14	0.41
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	14	0.41
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	14	0.41
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	18	0.41
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	14	0.41
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	3	0.41
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	3	0.41
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	3	0.41
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	13	0.41
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	13	0.41
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	13	0.41
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	20	0.41
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	20	0.41
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	20	0.41
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	14	0.41
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	19	0.41
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	18	0.41
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	1	0.41
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	1	0.41
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	1	0.41
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	6	0.41
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	6	0.41
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	6	0.41
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	18	0.41
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	18	0.41
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	10	0.41
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	10	0.41
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	10	0.41
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	1	0.41
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	3	0.41
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	5	0.41
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	7	0.41
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	8	0.41
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	9	0.41
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	12	0.41
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	14	0.41
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	18	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	1	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	3	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	9	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	10	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	12	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	13	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	16	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	17	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	18	0.41
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	20	0.41
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	7	0.41
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	7	0.41
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	13	0.41
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	13	0.41
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	4	0.41
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	4	0.41
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	4	0.41
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	7	0.41
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	7	0.41
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	7	0.41
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	15	0.41
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	15	0.41
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	15	0.41
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	18	0.41
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	7	0.41
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	10	0.41
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	19	0.41
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	2	0.41
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	9	0.41
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	15	0.41
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	2	0.41
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	2	0.41
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	1	0.41
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	2	0.41
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	15	0.41
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	18	0.41
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	18	0.41
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	16	0.41
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	11	0.41
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	11	0.41
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	11	0.41
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	11	0.41
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	11	0.41
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	16	0.41
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	16	0.41
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	16	0.41
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	16	0.41
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	16	0.41
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	16	0.41
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	15	0.41
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	12	0.41
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	13	0.41
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	19	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	3	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	3	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	3	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	6	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	6	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	6	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	7	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	7	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	7	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	8	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	8	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	8	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	10	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	10	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	10	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	11	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	11	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	11	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	12	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	12	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	12	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	14	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	14	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	14	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	15	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	15	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	15	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	17	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	17	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	18	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	18	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	18	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	19	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	19	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	19	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	20	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	20	0.41
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	20	0.41
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	17	0.41
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	1	0.41
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	10	0.41
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	12	0.41
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	14	0.41
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	20	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	3	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	3	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	3	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	4	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	4	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	4	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	5	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	5	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	5	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	11	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	11	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	11	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	12	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	12	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	12	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	14	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	14	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	14	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	15	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	15	0.41
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	15	0.41
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	13	0.41
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	2	0.41
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	2	0.41
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	2	0.41
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	4	0.41
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	4	0.41
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	8	0.41
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	8	0.41
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	8	0.41
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	18	0.41
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	18	0.41
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	18	0.41
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	18	0.41
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	7	0.41
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	7	0.41
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	7	0.41
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	10	0.41
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	10	0.41
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	10	0.41
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	11	0.41
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	11	0.41
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	11	0.41
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	10	0.41
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	10	0.41
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	10	0.41
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	17	0.41
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	19	0.41
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	6	0.41
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	11	0.41
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	11	0.41
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	11	0.41
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	2	0.41
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	5	0.41
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	13	0.41
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	14	0.41
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	15	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	2	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	2	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	2	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	3	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	3	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	3	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	9	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	9	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	9	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	10	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	10	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	11	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	11	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	11	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	12	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	12	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	12	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	16	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	16	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	16	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	17	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	17	0.41
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	17	0.41
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	5	0.41
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	20	0.41
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	6	0.41
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	6	0.41
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	6	0.41
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	9	0.41
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	9	0.41
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	9	0.41
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	3	0.41
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	5	0.41
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	6	0.41
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	9	0.41
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	14	0.41
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	15	0.41
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	17	0.41
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	18	0.41
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	19	0.41
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	12	0.41
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	12	0.41
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	12	0.41
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	3	0.41
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	3	0.41
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	3	0.41
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	13	0.41
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	13	0.41
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	13	0.41
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	20	0.41
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	20	0.41
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	18	0.41
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	18	0.41
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	18	0.41
(1,2554)	1:453:A:LEU:HB3	1:453:A:LEU:H	16	0.41
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	10	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	1	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	4	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	5	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	6	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	7	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	10	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	11	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	15	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	16	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	17	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	18	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	19	0.41
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	20	0.41
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	1	0.41
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	3	0.41
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	7	0.41
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	9	0.41
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	13	0.41
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	14	0.41
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	15	0.41
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	17	0.41
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	19	0.41
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	5	0.41
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	5	0.41
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	5	0.41
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	8	0.41
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	8	0.41
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	8	0.41
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	17	0.41
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	17	0.41
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	17	0.41
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	7	0.41
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	11	0.41
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	4	0.41
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	9	0.41
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	16	0.41
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	2	0.41
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	6	0.41
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	10	0.41
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	19	0.41
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	14	0.41
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	4	0.41
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	5	0.41
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	6	0.41
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	7	0.41
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	9	0.41
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	14	0.41
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	16	0.41
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	17	0.41
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	19	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	1	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	8	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	9	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	11	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	12	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	13	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	14	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	15	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	16	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	17	0.41
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	18	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	10	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	10	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	10	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	13	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	13	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	13	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	14	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	14	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	14	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	15	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	15	0.41
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	15	0.41
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	1	0.41
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	10	0.41
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	5	0.41
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	5	0.41
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	13	0.41
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	13	0.41
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	13	0.41
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	15	0.41
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	15	0.41
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	15	0.41
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	17	0.41
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	17	0.41
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	17	0.41
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	19	0.41
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	19	0.41
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	19	0.41
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	8	0.41
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	8	0.41
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	8	0.41
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	13	0.41
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	13	0.41
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	13	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	1	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	1	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	1	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	2	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	2	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	2	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	4	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	4	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	4	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	5	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	5	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	5	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	6	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	6	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	6	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	7	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	7	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	7	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	8	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	8	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	8	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	9	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	9	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	10	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	10	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	10	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	11	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	11	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	11	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	12	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	12	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	12	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	13	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	13	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	13	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	14	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	14	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	14	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	15	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	15	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	15	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	16	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	16	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	16	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	17	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	17	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	17	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	18	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	18	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	18	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	19	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	19	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	19	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	20	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	20	0.41
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	20	0.41
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	4	0.41
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	5	0.41
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	15	0.41
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	19	0.41
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	18	0.41
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	6	0.41
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	6	0.41
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	6	0.41
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	6	0.41
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	6	0.41
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	6	0.41
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	6	0.41
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	6	0.41
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	12	0.41
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	12	0.41
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	12	0.41
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	12	0.41
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	12	0.41
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	12	0.41
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	12	0.41
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	12	0.41
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	12	0.41
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	13	0.41
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	13	0.41
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	13	0.41
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	13	0.41
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	13	0.41
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	13	0.41
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	13	0.41
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	13	0.41
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	13	0.41
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	9	0.41
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	7	0.41
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	7	0.41
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	7	0.41
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	7	0.41
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	13	0.41
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	2	0.41
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	4	0.41
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	8	0.41
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	9	0.41
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	11	0.41
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	15	0.41
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	19	0.41
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	8	0.41
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	20	0.41
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	1	0.41
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	1	0.41
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	3	0.41
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	3	0.41
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	3	0.41
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	13	0.41
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	13	0.41
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	13	0.41
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	14	0.41
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	14	0.41
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	14	0.41
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	13	0.41
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	10	0.41
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	6	0.41
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	16	0.41
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	8	0.41
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	2	0.41
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	5	0.41
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	6	0.41
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	9	0.41
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	13	0.41
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	19	0.41
(1,1505)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	14	0.41
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	8	0.41
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	11	0.41
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	1	0.41
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	1	0.41
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	1	0.41
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	11	0.41
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	11	0.41
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	11	0.41
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	10	0.41
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	12	0.41
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	3	0.41
(1,1290)	1:349:A:LEU:HA	1:349:A:LEU:H	15	0.41
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	3	0.41
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	9	0.41
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	13	0.41
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	15	0.41
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	17	0.41
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	17	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	1	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	3	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	7	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	8	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	10	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	11	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	12	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	13	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	15	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	17	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	18	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	19	0.41
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	20	0.41
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	1	0.41
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	10	0.41
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	15	0.41
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	17	0.41
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	19	0.41
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	20	0.41
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	12	0.41
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	12	0.41
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	12	0.41
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	9	0.41
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	9	0.41
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	9	0.41
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	2	0.41
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	2	0.41
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	2	0.41
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	7	0.41
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	7	0.41
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	7	0.41
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	7	0.41
(1,991)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	5	0.41
(1,991)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	10	0.41
(1,991)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	11	0.41
(1,991)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	20	0.41
(1,959)	1:365:A:GLU:HG3	1:365:A:GLU:HB2	7	0.41
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	13	0.41
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	14	0.41
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	20	0.41
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	1	0.41
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	10	0.41
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	12	0.41
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	6	0.41
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	2	0.41
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	8	0.41
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	12	0.41
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	14	0.41
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	8	0.41
(1,651)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	20	0.41
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	10	0.41
(1,562)	1:413:A:ILE:HG21	1:384:A:VAL:HA	19	0.41
(1,562)	1:413:A:ILE:HG22	1:384:A:VAL:HA	19	0.41
(1,562)	1:413:A:ILE:HG23	1:384:A:VAL:HA	19	0.41
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	8	0.41
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	17	0.41
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	15	0.41
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	15	0.41
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	16	0.41
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	16	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	1	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	2	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	3	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	4	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	5	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	6	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	7	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	8	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	9	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	10	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	11	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	12	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	13	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	14	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	15	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	16	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	17	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	18	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	19	0.41
(1,514)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	20	0.41
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	2	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	1	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	2	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	5	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	8	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	9	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	10	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	12	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	15	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	16	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	17	0.41
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	18	0.41
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	1	0.41
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	4	0.41
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	5	0.41
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	6	0.41
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	11	0.41
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	12	0.41
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	13	0.41
(1,450)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	14	0.41
(1,428)	1:381:A:VAL:HB	1:381:A:VAL:H	8	0.41
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	18	0.41
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	18	0.41
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	18	0.41
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	11	0.41
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	13	0.41
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	16	0.41
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	6	0.41
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	8	0.41
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	10	0.41
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	11	0.41
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	15	0.41
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	16	0.41
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	17	0.41
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	18	0.41
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	8	0.41
(1,283)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	20	0.41
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	9	0.41
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	11	0.41
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	18	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	2	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	2	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	12	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	12	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	13	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	15	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	15	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	18	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	18	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	19	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	19	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	20	0.41
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	20	0.41
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	1	0.41
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	2	0.41
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	3	0.41
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	8	0.41
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	13	0.41
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	15	0.41
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	16	0.41
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	18	0.41
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	20	0.41
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	16	0.41
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	5	0.41
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	12	0.41
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	18	0.41
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	3	0.41
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	3	0.41
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	3	0.41
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	9	0.41
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	9	0.41
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	9	0.41
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	10	0.41
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	10	0.41
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	10	0.41
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	18	0.41
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	18	0.41
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	18	0.41
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	13	0.41
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	16	0.4
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	18	0.4
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	8	0.4
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	8	0.4
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	8	0.4
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	4	0.4
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	4	0.4
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	16	0.4
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	16	0.4
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	16	0.4
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	11	0.4
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	5	0.4
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	6	0.4
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	7	0.4
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	10	0.4
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	14	0.4
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	15	0.4
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	17	0.4
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	15	0.4
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	18	0.4
(1,4049)	1:369:A:VAL:H	1:368:A:ILE:HA	19	0.4
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	12	0.4
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	10	0.4
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	13	0.4
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	11	0.4
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	12	0.4
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	16	0.4
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	17	0.4
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	20	0.4
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	2	0.4
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	4	0.4
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	9	0.4
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	19	0.4
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	3	0.4
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	5	0.4
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	6	0.4
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	7	0.4
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	9	0.4
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	10	0.4
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	17	0.4
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	18	0.4
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	1	0.4
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	4	0.4
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	11	0.4
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	7	0.4
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	13	0.4
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	2	0.4
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	4	0.4
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	12	0.4
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	16	0.4
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	12	0.4
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	6	0.4
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	12	0.4
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	20	0.4
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	19	0.4
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	7	0.4
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	8	0.4
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	11	0.4
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	12	0.4
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	16	0.4
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	17	0.4
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	19	0.4
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	20	0.4
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	8	0.4
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	8	0.4
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	8	0.4
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	16	0.4
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	16	0.4
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	16	0.4
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	2	0.4
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	6	0.4
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	7	0.4
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	9	0.4
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	15	0.4
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	16	0.4
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	17	0.4
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	19	0.4
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	10	0.4
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	12	0.4
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	15	0.4
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	9	0.4
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	5	0.4
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	5	0.4
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	5	0.4
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	5	0.4
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	19	0.4
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	19	0.4
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	19	0.4
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	7	0.4
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	13	0.4
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	1	0.4
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	6	0.4
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	6	0.4
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	6	0.4
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	15	0.4
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	15	0.4
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	15	0.4
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	12	0.4
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	18	0.4
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	20	0.4
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	10	0.4
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	20	0.4
(1,3505)	1:408:A:ASN:HD21	1:408:A:ASN:HA	10	0.4
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	19	0.4
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	19	0.4
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	6	0.4
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	9	0.4
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	11	0.4
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	16	0.4
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	1	0.4
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	1	0.4
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	2	0.4
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	2	0.4
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	3	0.4
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	3	0.4
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	4	0.4
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	4	0.4
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	6	0.4
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	6	0.4
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	9	0.4
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	9	0.4
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	13	0.4
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	13	0.4
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	15	0.4
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	15	0.4
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	10	0.4
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	2	0.4
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	6	0.4
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	8	0.4
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	15	0.4
(1,3429)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	5	0.4
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	5	0.4
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	5	0.4
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	6	0.4
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	6	0.4
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	6	0.4
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	14	0.4
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	14	0.4
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	14	0.4
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	14	0.4
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	6	0.4
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	8	0.4
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	11	0.4
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	18	0.4
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	20	0.4
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	4	0.4
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	4	0.4
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	9	0.4
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	9	0.4
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	7	0.4
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	8	0.4
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	9	0.4
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	14	0.4
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	1	0.4
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	1	0.4
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	3	0.4
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	3	0.4
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	7	0.4
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	7	0.4
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	11	0.4
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	11	0.4
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	14	0.4
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	14	0.4
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	11	0.4
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	12	0.4
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	17	0.4
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	17	0.4
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	17	0.4
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	17	0.4
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	17	0.4
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	17	0.4
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	6	0.4
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	2	0.4
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	4	0.4
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	5	0.4
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	6	0.4
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	9	0.4
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	16	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	1	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	1	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	1	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	2	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	2	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	2	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	4	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	4	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	4	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	9	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	9	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	9	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	13	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	13	0.4
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	13	0.4
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	7	0.4
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	7	0.4
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	7	0.4
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	19	0.4
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	19	0.4
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	19	0.4
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	7	0.4
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	11	0.4
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	16	0.4
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	15	0.4
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	7	0.4
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	8	0.4
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	15	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	1	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	1	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	1	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	2	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	2	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	2	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	6	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	6	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	7	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	7	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	7	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	8	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	8	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	8	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	9	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	9	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	9	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	10	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	10	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	10	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	13	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	13	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	13	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	16	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	16	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	16	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	17	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	17	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	17	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	18	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	18	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	18	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	19	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	19	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	19	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE1	20	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE2	20	0.4
(1,3086)	1:456:A:MET:HB3	1:456:A:MET:HE3	20	0.4
(1,3040)	1:450:A:MET:HB2	1:450:A:MET:HG2	14	0.4
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	16	0.4
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	6	0.4
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	7	0.4
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	15	0.4
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	15	0.4
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	15	0.4
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	15	0.4
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	5	0.4
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	3	0.4
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	5	0.4
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	8	0.4
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	20	0.4
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	8	0.4
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	8	0.4
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	8	0.4
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	20	0.4
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	20	0.4
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	20	0.4
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	7	0.4
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	1	0.4
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	5	0.4
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	6	0.4
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	11	0.4
(1,2845)	1:433:A:LEU:HB2	1:433:A:LEU:HA	16	0.4
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	16	0.4
(1,2782)	1:399:A:ASP:HA	1:399:A:ASP:HB3	5	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	1	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	1	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	1	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	3	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	3	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	3	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	5	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	5	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	5	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	7	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	7	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	7	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	13	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	13	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	13	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	15	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	15	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	15	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	16	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	16	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	16	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	17	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	17	0.4
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	1	0.4
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	3	0.4
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	4	0.4
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	6	0.4
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	9	0.4
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	10	0.4
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	11	0.4
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	12	0.4
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	18	0.4
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	19	0.4
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	19	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	4	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	4	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	4	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	6	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	6	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	6	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	8	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	8	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	8	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	13	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	13	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	13	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	20	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	20	0.4
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	20	0.4
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	11	0.4
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	20	0.4
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	13	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	1	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	2	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	3	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	4	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	7	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	8	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	10	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	11	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	12	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	13	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	16	0.4
(1,2592)	1:364:A:LEU:HA	1:364:A:LEU:HB2	20	0.4
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	6	0.4
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	6	0.4
(1,2572)	1:407:A:VAL:HG11	1:393:A:LEU:HG	14	0.4
(1,2572)	1:407:A:VAL:HG12	1:393:A:LEU:HG	14	0.4
(1,2572)	1:407:A:VAL:HG13	1:393:A:LEU:HG	14	0.4
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	6	0.4
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	6	0.4
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	6	0.4
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	15	0.4
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	15	0.4
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	15	0.4
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	11	0.4
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	11	0.4
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	11	0.4
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	17	0.4
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	2	0.4
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	3	0.4
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	8	0.4
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	9	0.4
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	12	0.4
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	13	0.4
(1,2530)	1:362:A:VAL:HA	1:362:A:VAL:H	14	0.4
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	2	0.4
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	4	0.4
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	5	0.4
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	6	0.4
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	8	0.4
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	10	0.4
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	11	0.4
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	12	0.4
(1,2491)	1:386:A:ASN:HB3	1:386:A:ASN:HD22	20	0.4
(1,2471)	1:447:A:PRO:HB3	1:448:A:SER:H	9	0.4
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	3	0.4
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	3	0.4
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	3	0.4
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	9	0.4
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	9	0.4
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	9	0.4
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	11	0.4
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	11	0.4
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	11	0.4
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	14	0.4
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	14	0.4
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	18	0.4
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	1	0.4
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	3	0.4
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	11	0.4
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	17	0.4
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	1	0.4
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	5	0.4
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	10	0.4
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	1	0.4
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	3	0.4
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	7	0.4
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	8	0.4
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	12	0.4
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	13	0.4
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	17	0.4
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	1	0.4
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	4	0.4
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	8	0.4
(1,2257)	1:384:A:VAL:HB	1:384:A:VAL:H	16	0.4
(1,2256)	1:340:A:MET:HA	1:340:A:MET:H	18	0.4
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	10	0.4
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	12	0.4
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	15	0.4
(1,2237)	1:376:A:PRO:HD2	1:376:A:PRO:HB2	18	0.4
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	2	0.4
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	3	0.4
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	4	0.4
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	5	0.4
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	6	0.4
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	7	0.4
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	10	0.4
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	19	0.4
(1,2196)	1:358:A:LYS:HA	1:358:A:LYS:HB3	20	0.4
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	19	0.4
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	19	0.4
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	19	0.4
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	9	0.4
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	5	0.4
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	19	0.4
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	6	0.4
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	6	0.4
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	9	0.4
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	9	0.4
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	9	0.4
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	20	0.4
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	20	0.4
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	20	0.4
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	2	0.4
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	2	0.4
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	2	0.4
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	15	0.4
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	15	0.4
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	15	0.4
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD21	3	0.4
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD22	3	0.4
(1,2038)	1:364:A:LEU:HG	1:364:A:LEU:HD23	3	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	1	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	2	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	3	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	6	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	7	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	8	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	9	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	10	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	11	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	12	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	13	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	14	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	16	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	17	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	18	0.4
(1,1977)	1:410:A:TRP:HA	1:410:A:TRP:HB3	20	0.4
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	2	0.4
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	6	0.4
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	13	0.4
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	15	0.4
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	18	0.4
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	8	0.4
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	8	0.4
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	8	0.4
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	8	0.4
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	8	0.4
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	8	0.4
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	8	0.4
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	8	0.4
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	15	0.4
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	15	0.4
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	15	0.4
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	15	0.4
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	15	0.4
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	15	0.4
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	15	0.4
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	15	0.4
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	15	0.4
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	20	0.4
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	20	0.4
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	20	0.4
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	20	0.4
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	20	0.4
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	20	0.4
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	20	0.4
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	20	0.4
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	20	0.4
(1,1883)	1:346:A:GLU:HG3	1:347:A:VAL:H	1	0.4
(1,1856)	1:378:A:PRO:HG2	1:379:A:ALA:H	13	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	2	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	2	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	2	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	3	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	3	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	3	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	4	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	4	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	4	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	5	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	5	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	5	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	6	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	6	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	6	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	9	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	9	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	10	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	10	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	10	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	11	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	11	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	11	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	12	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	12	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	12	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	13	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	13	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	13	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	14	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	14	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	14	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	15	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	15	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	15	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	16	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	16	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	16	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	19	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	19	0.4
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	19	0.4
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	8	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	1	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	3	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	5	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	6	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	7	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	10	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	12	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	14	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	16	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	17	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	18	0.4
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	20	0.4
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	5	0.4
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	17	0.4
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	1	0.4
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	5	0.4
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	8	0.4
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	12	0.4
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	14	0.4
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	15	0.4
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	16	0.4
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	19	0.4
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	20	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	3	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	7	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	8	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	10	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	11	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	12	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	14	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	15	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	17	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	18	0.4
(1,1524)	1:366:A:THR:HA	1:366:A:THR:HB	20	0.4
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	7	0.4
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	17	0.4
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	20	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	3	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	3	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	3	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	7	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	7	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	7	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	9	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	9	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	9	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	10	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	10	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	10	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	12	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	12	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	12	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	14	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	14	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	14	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	17	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	17	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	20	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	20	0.4
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	20	0.4
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	3	0.4
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	5	0.4
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	20	0.4
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	2	0.4
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	4	0.4
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	5	0.4
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	11	0.4
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	6	0.4
(1,1227)	1:451:A:LYS:HB3	1:451:A:LYS:H	6	0.4
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	1	0.4
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	4	0.4
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	7	0.4
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	8	0.4
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	9	0.4
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	11	0.4
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	15	0.4
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	15	0.4
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	15	0.4
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	15	0.4
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	15	0.4
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	15	0.4
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	9	0.4
(1,991)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	2	0.4
(1,991)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	4	0.4
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	1	0.4
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	2	0.4
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	3	0.4
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	6	0.4
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	8	0.4
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	9	0.4
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	10	0.4
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	11	0.4
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	16	0.4
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	17	0.4
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	7	0.4
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	8	0.4
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	15	0.4
(1,812)	1:369:A:VAL:HG11	1:369:A:VAL:H	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:369:A:VAL:HG12	1:369:A:VAL:H	16	0.4
(1,812)	1:369:A:VAL:HG13	1:369:A:VAL:H	16	0.4
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	10	0.4
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	15	0.4
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	16	0.4
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	16	0.4
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	16	0.4
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	16	0.4
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	16	0.4
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	16	0.4
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	5	0.4
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	5	0.4
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	5	0.4
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	9	0.4
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	9	0.4
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	9	0.4
(1,646)	1:389:A:GLU:HG3	1:389:A:GLU:HA	7	0.4
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	15	0.4
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	15	0.4
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	15	0.4
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	15	0.4
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	15	0.4
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	15	0.4
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	15	0.4
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	15	0.4
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	15	0.4
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	6	0.4
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	6	0.4
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	6	0.4
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	13	0.4
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	13	0.4
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	13	0.4
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	4	0.4
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	8	0.4
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	8	0.4
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	6	0.4
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	3	0.4
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	7	0.4
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	13	0.4
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	14	0.4
(1,471)	1:378:A:PRO:HA	1:378:A:PRO:HB3	20	0.4
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	5	0.4
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	2	0.4
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	3	0.4
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	4	0.4
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	5	0.4
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	7	0.4
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	9	0.4
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	12	0.4
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	13	0.4
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	20	0.4
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	6	0.4
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	9	0.4
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	11	0.4
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	1	0.4
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	1	0.4
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	1	0.4
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	10	0.4
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	13	0.4
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	7	0.4
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	1	0.4
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	10	0.4
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	4	0.4
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	5	0.4
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	6	0.4
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	7	0.4
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	8	0.4
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	16	0.4
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	20	0.4
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	6	0.4
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	6	0.4
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	9	0.4
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	9	0.4
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	4	0.4
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	6	0.4
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	10	0.4
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	11	0.4
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	14	0.4
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	17	0.4
(1,136)	1:374:A:THR:HB	1:374:A:THR:HA	19	0.4
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	6	0.4
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	11	0.4
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	4	0.4
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	5	0.4
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	7	0.4
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	10	0.4
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	12	0.4
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	4	0.4
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	13	0.4
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	1	0.4
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	1	0.4
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	1	0.4
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	2	0.4
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	2	0.4
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	2	0.4
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	17	0.4
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	17	0.4
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	17	0.4
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	12	0.4
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	6	0.39
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	8	0.39
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	16	0.39
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	16	0.39
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	16	0.39
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	14	0.39
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	14	0.39
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	14	0.39
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	15	0.39
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	15	0.39
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	15	0.39
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	17	0.39
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	17	0.39
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	17	0.39
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	16	0.39
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	1	0.39
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	3	0.39
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	5	0.39
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	8	0.39
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	8	0.39
(1,4036)	1:397:A:ASN:H	1:397:A:ASN:HB2	16	0.39
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	1	0.39
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	4	0.39
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	12	0.39
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	15	0.39
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	16	0.39
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	19	0.39
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	3	0.39
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	18	0.39
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	9	0.39
(1,3970)	1:422:A:ASP:H	1:409:A:TYR:HB2	5	0.39
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	14	0.39
(1,3940)	1:445:A:THR:H	1:444:A:ASN:HA	19	0.39
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	17	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	2	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	3	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	4	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	5	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	6	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	9	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	10	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	13	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	14	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	15	0.39
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	18	0.39
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	16	0.39
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	17	0.39
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	1	0.39
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	1	0.39
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	1	0.39
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	11	0.39
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	18	0.39
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	20	0.39
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	3	0.39
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	5	0.39
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	17	0.39
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	19	0.39
(1,3771)	1:426:A:GLN:H	1:426:A:GLN:HB2	3	0.39
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	1	0.39
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	1	0.39
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	1	0.39
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	1	0.39
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	19	0.39
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	20	0.39
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	11	0.39
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	11	0.39
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	12	0.39
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	12	0.39
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	12	0.39
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	18	0.39
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	18	0.39
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	18	0.39
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	9	0.39
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	9	0.39
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	9	0.39
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	14	0.39
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	14	0.39
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	14	0.39
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	4	0.39
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	13	0.39
(1,3588)	1:420:A:ILE:H	1:420:A:ILE:HB	19	0.39
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	5	0.39
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	8	0.39
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	15	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	1	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	2	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	3	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	4	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	5	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	7	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	8	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	10	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	12	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	14	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	17	0.39
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	18	0.39
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	12	0.39
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	12	0.39
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	18	0.39
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	18	0.39
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	19	0.39
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	19	0.39
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	20	0.39
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	20	0.39
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	2	0.39
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	6	0.39
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	4	0.39
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	7	0.39
(1,3414)	1:385:A:TRP:HD1	1:385:A:TRP:HB2	16	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	2	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	2	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	2	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	3	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	3	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	3	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	8	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	8	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	8	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	10	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	10	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	10	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	12	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	12	0.39
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	12	0.39
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	13	0.39
(1,3384)	1:434:A:TRP:HH2	1:435:A:LYS:HD3	17	0.39
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	16	0.39
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	13	0.39
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	13	0.39
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	13	0.39
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	8	0.39
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	8	0.39
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	13	0.39
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	13	0.39
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	19	0.39
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	10	0.39
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	10	0.39
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	16	0.39
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	16	0.39
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	6	0.39
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	7	0.39
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	7	0.39
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	7	0.39
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	7	0.39
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	7	0.39
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	7	0.39
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	8	0.39
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	8	0.39
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	8	0.39
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	8	0.39
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	8	0.39
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	14	0.39
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	14	0.39
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	14	0.39
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	14	0.39
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	14	0.39
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	14	0.39
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	18	0.39
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	18	0.39
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	19	0.39
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	19	0.39
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	18	0.39
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	1	0.39
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	3	0.39
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	8	0.39
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	10	0.39
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	17	0.39
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	18	0.39
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	20	0.39
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	5	0.39
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	5	0.39
(1,3164)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	5	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	1	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	1	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	1	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	2	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	2	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	2	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	3	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	3	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	3	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	4	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	4	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	4	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	5	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	5	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	5	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	6	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	6	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	8	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	8	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	8	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	9	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	9	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	9	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	10	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	10	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	10	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	11	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	11	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	11	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	12	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	12	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	12	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	13	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	13	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	13	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	14	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	14	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	14	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	15	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	15	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	15	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	16	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	16	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	16	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	17	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	17	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	17	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	18	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	18	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	18	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	20	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	20	0.39
(1,3149)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	20	0.39
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	10	0.39
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	18	0.39
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	2	0.39
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	13	0.39
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	2	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	3	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	5	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	6	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	7	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	8	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	10	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	12	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	13	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	14	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	15	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	16	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	17	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	18	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	19	0.39
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	20	0.39
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	19	0.39
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	6	0.39
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	10	0.39
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	12	0.39
(1,2971)	1:388:A:GLU:HB3	1:389:A:GLU:H	19	0.39
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	2	0.39
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	4	0.39
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	11	0.39
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	12	0.39
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	17	0.39
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	18	0.39
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	20	0.39
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	3	0.39
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	6	0.39
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	17	0.39
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	5	0.39
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	5	0.39
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	5	0.39
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	19	0.39
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	19	0.39
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	19	0.39
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	2	0.39
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	2	0.39
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	2	0.39
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	3	0.39
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	3	0.39
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	13	0.39
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	13	0.39
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	13	0.39
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	15	0.39
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	15	0.39
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	15	0.39
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	16	0.39
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	16	0.39
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	16	0.39
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	1	0.39
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	7	0.39
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	6	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	2	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	2	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	2	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	8	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	8	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	8	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	19	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	19	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	19	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	20	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	20	0.39
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	20	0.39
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	8	0.39
(1,2729)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	17	0.39
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	9	0.39
(1,2728)	1:340:A:MET:HA	1:341:A:GLU:HB3	20	0.39
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	1	0.39
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	1	0.39
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	1	0.39
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD11	19	0.39
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD12	19	0.39
(1,2713)	1:420:A:ILE:HB	1:420:A:ILE:HD13	19	0.39
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	10	0.39
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	12	0.39
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	12	0.39
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	14	0.39
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	4	0.39
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	4	0.39
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	10	0.39
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	10	0.39
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	10	0.39
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	1	0.39
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	1	0.39
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	1	0.39
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	13	0.39
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	11	0.39
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	11	0.39
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	11	0.39
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	12	0.39
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	12	0.39
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	12	0.39
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	18	0.39
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	18	0.39
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	18	0.39
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	1	0.39
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	1	0.39
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	1	0.39
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	9	0.39
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	9	0.39
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	9	0.39
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	12	0.39
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	12	0.39
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	12	0.39
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	17	0.39
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	17	0.39
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	17	0.39
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	20	0.39
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	20	0.39
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	20	0.39
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	1	0.39
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	1	0.39
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	1	0.39
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	4	0.39
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	4	0.39
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	4	0.39
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	7	0.39
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	7	0.39
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	7	0.39
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	13	0.39
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	13	0.39
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	19	0.39
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	19	0.39
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	19	0.39
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	13	0.39
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	13	0.39
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	13	0.39
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	13	0.39
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	13	0.39
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	13	0.39
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	13	0.39
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	13	0.39
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	13	0.39
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	6	0.39
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	18	0.39
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	3	0.39
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	9	0.39
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	12	0.39
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	16	0.39
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	6	0.39
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	11	0.39
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	14	0.39
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	15	0.39
(1,2298)	1:359:A:ASP:HB3	1:360:A:GLY:HA3	18	0.39
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	17	0.39
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	19	0.39
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	11	0.39
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	11	0.39
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	11	0.39
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	9	0.39
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	13	0.39
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	2	0.39
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	4	0.39
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	5	0.39
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	11	0.39
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	12	0.39
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	14	0.39
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	14	0.39
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	14	0.39
(1,2104)	1:359:A:ASP:HA	1:359:A:ASP:H	20	0.39
(1,2102)	1:456:A:MET:HE1	1:365:A:GLU:H	18	0.39
(1,2102)	1:456:A:MET:HE2	1:365:A:GLU:H	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:456:A:MET:HE3	1:365:A:GLU:H	18	0.39
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	16	0.39
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	16	0.39
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	16	0.39
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	1	0.39
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	1	0.39
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	1	0.39
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	4	0.39
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	4	0.39
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	4	0.39
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	9	0.39
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	9	0.39
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	9	0.39
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	3	0.39
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	5	0.39
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	7	0.39
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	9	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	2	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	2	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	2	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	2	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	2	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	2	0.39
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	2	0.39
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	2	0.39
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	2	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	11	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	11	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	11	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	11	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	11	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	11	0.39
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	11	0.39
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	11	0.39
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	11	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	14	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	14	0.39
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	14	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	14	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	14	0.39
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	14	0.39
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	14	0.39
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	14	0.39
(1,1843)	1:413:A:ILE:HD11	1:414:A:ASP:H	20	0.39
(1,1843)	1:413:A:ILE:HD12	1:414:A:ASP:H	20	0.39
(1,1843)	1:413:A:ILE:HD13	1:414:A:ASP:H	20	0.39
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	1	0.39
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	2	0.39
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	3	0.39
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	4	0.39
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	5	0.39
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	6	0.39
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	8	0.39
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	14	0.39
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	15	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	1	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	1	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	1	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	7	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	7	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	7	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	8	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	8	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	8	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	17	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	17	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	17	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	18	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	18	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	18	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD11	20	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD12	20	0.39
(1,1820)	1:364:A:LEU:HG	1:364:A:LEU:HD13	20	0.39
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	2	0.39
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	9	0.39
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	10	0.39
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	11	0.39
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	15	0.39
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	16	0.39
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	17	0.39
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	20	0.39
(1,1770)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	13	0.39
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	4	0.39
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	4	0.39
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	4	0.39
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	6	0.39
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	19	0.39
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	2	0.39
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	4	0.39
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	7	0.39
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	9	0.39
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	10	0.39
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	11	0.39
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	13	0.39
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	17	0.39
(1,1597)	1:402:A:PRO:HB2	1:401:A:THR:HA	18	0.39
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	18	0.39
(1,1562)	1:462:A:PRO:HB3	1:462:A:PRO:HG2	19	0.39
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	7	0.39
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	5	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	1	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	1	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	1	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	2	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	2	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	2	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	4	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	4	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	4	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	6	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	6	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	6	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	9	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	9	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	9	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	10	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	10	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	10	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	11	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	11	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	11	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	13	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	13	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	15	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	15	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	15	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	16	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	16	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	16	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	17	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	17	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	17	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	18	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	18	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	18	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	19	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	19	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	19	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	20	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	20	0.39
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	20	0.39
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	4	0.39
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	12	0.39
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	3	0.39
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	4	0.39
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	19	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	2	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	2	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	2	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	4	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	4	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	4	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	6	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	6	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	6	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	8	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	8	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	8	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	13	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	13	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	13	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	15	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	15	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	15	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	16	0.39
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	16	0.39
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	8	0.39
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	18	0.39
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	7	0.39
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	7	0.39
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	5	0.39
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	11	0.39
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	5	0.39
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	16	0.39
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	19	0.39
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	19	0.39
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	19	0.39
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	11	0.39
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	11	0.39
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	11	0.39
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	16	0.39
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	16	0.39
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	16	0.39
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	18	0.39
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	18	0.39
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	18	0.39
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	20	0.39
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	20	0.39
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	20	0.39
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	18	0.39
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	1	0.39
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	5	0.39
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	6	0.39
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	11	0.39
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	16	0.39
(1,1077)	1:433:A:LEU:HB3	1:433:A:LEU:HG	19	0.39
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	13	0.39
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	18	0.39
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	12	0.39
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	19	0.39
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	2	0.39
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	13	0.39
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	20	0.39
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	13	0.39
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	17	0.39
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	5	0.39
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	9	0.39
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	11	0.39
(1,780)	1:354:A:MET:HE1	1:356:A:TYR:H	20	0.39
(1,780)	1:354:A:MET:HE2	1:356:A:TYR:H	20	0.39
(1,780)	1:354:A:MET:HE3	1:356:A:TYR:H	20	0.39
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	18	0.39
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	5	0.39
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	7	0.39
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	7	0.39
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	7	0.39
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	7	0.39
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	7	0.39
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	7	0.39
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	5	0.39
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	5	0.39
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	5	0.39
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	14	0.39
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	14	0.39
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	14	0.39
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	19	0.39
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	19	0.39
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	19	0.39
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	3	0.39
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	3	0.39
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	3	0.39
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	10	0.39
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	10	0.39
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	10	0.39
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	8	0.39
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	2	0.39
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	2	0.39
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	2	0.39
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	2	0.39
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	2	0.39
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	2	0.39
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	2	0.39
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	2	0.39
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	2	0.39
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	5	0.39
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	5	0.39
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	5	0.39
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	5	0.39
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	5	0.39
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	5	0.39
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	5	0.39
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	5	0.39
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	10	0.39
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	10	0.39
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	10	0.39
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	10	0.39
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	10	0.39
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	10	0.39
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	10	0.39
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	10	0.39
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	10	0.39
(1,623)	1:422:A:ASP:HA	1:422:A:ASP:HB2	14	0.39
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	10	0.39
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	10	0.39
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	10	0.39
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	16	0.39
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	16	0.39
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	16	0.39
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	19	0.39
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	19	0.39
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	19	0.39
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	11	0.39
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	7	0.39
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	7	0.39
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	14	0.39
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	14	0.39
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	13	0.39
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	18	0.39
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	8	0.39
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	7	0.39
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	13	0.39
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	20	0.39
(1,302)	1:450:A:MET:HA	1:450:A:MET:HB3	1	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	1	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	2	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	3	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	4	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	8	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	12	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	14	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	15	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	16	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	17	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	18	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	19	0.39
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	20	0.39
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	16	0.39
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	16	0.39
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	16	0.39
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	5	0.39
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	15	0.39
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	11	0.39
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	19	0.39
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	3	0.39
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	10	0.39
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	12	0.39
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	19	0.39
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	17	0.39
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	19	0.39
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	1	0.39
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	2	0.39
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	9	0.39
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	11	0.39
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	14	0.39
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	17	0.39
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	11	0.39
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	11	0.39
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	11	0.39
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	12	0.39
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	12	0.39
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	12	0.39
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	1	0.38
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	4	0.38
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	9	0.38
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	10	0.38
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	13	0.38
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	18	0.38
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	14	0.38
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	14	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	6	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	6	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	6	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	7	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	7	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	7	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	12	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	12	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	12	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	18	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	18	0.38
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	18	0.38
(1,4141)	1:359:A:ASP:H	1:343:A:THR:HA	20	0.38
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	9	0.38
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	9	0.38
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	9	0.38
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	1	0.38
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	2	0.38
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	13	0.38
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	2	0.38
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	9	0.38
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	11	0.38
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	12	0.38
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	13	0.38
(1,4101)	1:456:A:MET:H	1:453:A:LEU:HA	20	0.38
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	7	0.38
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	13	0.38
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	2	0.38
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	8	0.38
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	9	0.38
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	10	0.38
(1,3992)	1:438:A:GLY:H	1:437:A:ARG:H	17	0.38
(1,3990)	1:461:A:THR:H	1:461:A:THR:HB	18	0.38
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	1	0.38
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	2	0.38
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	8	0.38
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	11	0.38
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	14	0.38
(1,3989)	1:407:A:VAL:H	1:406:A:PRO:HA	20	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	2	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	6	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	9	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	10	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	11	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	13	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	14	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	15	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	16	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	17	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	19	0.38
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	20	0.38
(1,3923)	1:359:A:ASP:H	1:358:A:LYS:HA	19	0.38
(1,3911)	1:349:A:LEU:H	1:349:A:LEU:HB2	19	0.38
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	1	0.38
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	6	0.38
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	19	0.38
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	9	0.38
(1,3867)	1:464:A:LEU:H	1:464:A:LEU:HA	1	0.38
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	3	0.38
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	12	0.38
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	20	0.38
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	20	0.38
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	20	0.38
(1,3828)	1:357:A:TYR:H	1:356:A:TYR:HA	12	0.38
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	6	0.38
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	7	0.38
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	13	0.38
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	20	0.38
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	2	0.38
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	13	0.38
(1,3777)	1:449:A:VAL:H	1:446:A:PRO:HB2	14	0.38
(1,3753)	1:408:A:ASN:H	1:409:A:TYR:H	14	0.38
(1,3714)	1:426:A:GLN:HE22	1:437:A:ARG:HB3	3	0.38
(1,3678)	1:434:A:TRP:HE1	1:432:A:ASP:HB3	3	0.38
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	18	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	5	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	5	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	5	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	6	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	6	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	6	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	8	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	8	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	10	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	10	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	10	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	13	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	13	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	13	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	15	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	15	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	15	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	20	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	20	0.38
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	20	0.38
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	10	0.38
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	11	0.38
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	20	0.38
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	2	0.38
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	6	0.38
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	16	0.38
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	15	0.38
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	2	0.38
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	2	0.38
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	2	0.38
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	4	0.38
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	4	0.38
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	4	0.38
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	1	0.38
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	1	0.38
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	1	0.38
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	2	0.38
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	9	0.38
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	12	0.38
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	15	0.38
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	18	0.38
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	13	0.38
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	15	0.38
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	20	0.38
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	7	0.38
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	7	0.38
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	8	0.38
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	11	0.38
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	11	0.38
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	14	0.38
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	14	0.38
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	16	0.38
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	16	0.38
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	17	0.38
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	17	0.38
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	13	0.38
(1,3438)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	19	0.38
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	3	0.38
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	9	0.38
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	9	0.38
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	9	0.38
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	13	0.38
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	13	0.38
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	13	0.38
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	19	0.38
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	19	0.38
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	19	0.38
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	1	0.38
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	10	0.38
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	17	0.38
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	7	0.38
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	7	0.38
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	11	0.38
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	8	0.38
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	8	0.38
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	9	0.38
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	9	0.38
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	12	0.38
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	12	0.38
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	17	0.38
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	17	0.38
(1,3278)	1:355:A:TRP:HE3	1:355:A:TRP:HB2	20	0.38
(1,3198)	1:415:A:TRP:HE3	1:415:A:TRP:HB2	4	0.38
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	17	0.38
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	19	0.38
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	7	0.38
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	11	0.38
(1,3178)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	14	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	4	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	6	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	7	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	8	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	11	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	12	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	13	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	16	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	19	0.38
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	20	0.38
(1,3116)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	18	0.38
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	18	0.38
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	18	0.38
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	18	0.38
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	15	0.38
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	1	0.38
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	4	0.38
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	9	0.38
(1,3080)	1:402:A:PRO:HB3	1:402:A:PRO:HA	11	0.38
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	3	0.38
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	11	0.38
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	13	0.38
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	20	0.38
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	5	0.38
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	8	0.38
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	14	0.38
(1,2952)	1:362:A:VAL:HG21	1:362:A:VAL:H	9	0.38
(1,2952)	1:362:A:VAL:HG22	1:362:A:VAL:H	9	0.38
(1,2952)	1:362:A:VAL:HG23	1:362:A:VAL:H	9	0.38
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	2	0.38
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	4	0.38
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	10	0.38
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	11	0.38
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	12	0.38
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	16	0.38
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	19	0.38
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	6	0.38
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	6	0.38
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	6	0.38
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	9	0.38
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	9	0.38
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	4	0.38
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	4	0.38
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	4	0.38
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	6	0.38
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	6	0.38
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	6	0.38
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	11	0.38
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	11	0.38
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	11	0.38
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	17	0.38
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	17	0.38
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	17	0.38
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	19	0.38
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	9	0.38
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	14	0.38
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	18	0.38
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	19	0.38
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	9	0.38
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	9	0.38
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	9	0.38
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	12	0.38
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	12	0.38
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	12	0.38
(1,2703)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	5	0.38
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	7	0.38
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	2	0.38
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	2	0.38
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	2	0.38
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	7	0.38
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	15	0.38
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	20	0.38
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	20	0.38
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	20	0.38
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	2	0.38
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	2	0.38
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	2	0.38
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	3	0.38
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	3	0.38
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	3	0.38
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	4	0.38
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	4	0.38
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	5	0.38
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	5	0.38
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	5	0.38
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	10	0.38
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	10	0.38
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	10	0.38
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	16	0.38
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	16	0.38
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	16	0.38
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	9	0.38
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	13	0.38
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	3	0.38
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	16	0.38
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	18	0.38
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	20	0.38
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	20	0.38
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	20	0.38
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	13	0.38
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	13	0.38
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	13	0.38
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	2	0.38
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	14	0.38
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	15	0.38
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	13	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	1	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	3	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	4	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	5	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	6	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	7	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	8	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	10	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	11	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	12	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	14	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	15	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	16	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	17	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	18	0.38
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	20	0.38
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	6	0.38
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	15	0.38
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	16	0.38
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	16	0.38
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	16	0.38
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	3	0.38
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	6	0.38
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	8	0.38
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	10	0.38
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	16	0.38
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	10	0.38
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	10	0.38
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	10	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	1	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	1	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	1	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	2	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	2	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	2	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	3	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	3	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	3	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	4	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	4	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	4	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	5	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	5	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	5	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	6	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	6	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	6	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	8	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	8	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	8	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	10	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	10	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	10	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	11	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	11	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	11	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	12	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	12	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	15	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	15	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	15	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	16	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	16	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	16	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	17	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	17	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	17	0.38
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	20	0.38
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	20	0.38
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	20	0.38
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	1	0.38
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	2	0.38
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	8	0.38
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	10	0.38
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	14	0.38
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	20	0.38
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	11	0.38
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	14	0.38
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	17	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	7	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	7	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	7	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	7	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	7	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	7	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	7	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	7	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	7	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	9	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	9	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	9	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	9	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	9	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	9	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	9	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	9	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	9	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	17	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	17	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	17	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	17	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	17	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	17	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	17	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	17	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	18	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	18	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	18	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	18	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	18	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	18	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	18	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	18	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	18	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	19	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	19	0.38
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	19	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	19	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	19	0.38
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	19	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	19	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	19	0.38
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	19	0.38
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	2	0.38
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	8	0.38
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	12	0.38
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	7	0.38
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	9	0.38
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	10	0.38
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	11	0.38
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	12	0.38
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	16	0.38
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	18	0.38
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	20	0.38
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	3	0.38
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	4	0.38
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	5	0.38
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	6	0.38
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	7	0.38
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	12	0.38
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	19	0.38
(1,1725)	1:340:A:MET:HG3	1:340:A:MET:H	18	0.38
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	9	0.38
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	10	0.38
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	7	0.38
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	7	0.38
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	7	0.38
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	7	0.38
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	9	0.38
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	12	0.38
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	16	0.38
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	9	0.38
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	13	0.38
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	5	0.38
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	5	0.38
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	5	0.38
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	17	0.38
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	17	0.38
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	17	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	3	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	3	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	3	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	5	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	5	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	5	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	7	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	7	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	7	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	8	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	8	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	8	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE1	12	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE2	12	0.38
(1,1460)	1:450:A:MET:HB2	1:450:A:MET:HE3	12	0.38
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	8	0.38
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	14	0.38
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	15	0.38
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	20	0.38
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	16	0.38
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	18	0.38
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	11	0.38
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	18	0.38
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	18	0.38
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	18	0.38
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	18	0.38
(1,1343)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	17	0.38
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	18	0.38
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	2	0.38
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	4	0.38
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	11	0.38
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	12	0.38
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	16	0.38
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	7	0.38
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	11	0.38
(1,1232)	1:437:A:ARG:HB3	1:426:A:GLN:HE22	17	0.38
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	5	0.38
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	4	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	1	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	1	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	1	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	2	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	2	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	2	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	3	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	3	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	3	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	4	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	4	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	4	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	5	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	5	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	5	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	6	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	6	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	6	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	7	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	7	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	7	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	8	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	8	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	8	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	9	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	9	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	11	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	11	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	11	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	12	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	12	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	12	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	13	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	13	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	13	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	14	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	14	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	14	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	15	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	15	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	15	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	16	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	16	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	16	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	17	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	17	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	17	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	18	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	18	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	18	0.38
(1,1178)	1:393:A:LEU:HD11	1:393:A:LEU:HG	20	0.38
(1,1178)	1:393:A:LEU:HD12	1:393:A:LEU:HG	20	0.38
(1,1178)	1:393:A:LEU:HD13	1:393:A:LEU:HG	20	0.38
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	13	0.38
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	13	0.38
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	13	0.38
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	3	0.38
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	6	0.38
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	8	0.38
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	10	0.38
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	16	0.38
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG21	19	0.38
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG22	19	0.38
(1,1120)	1:443:A:ILE:HG12	1:443:A:ILE:HG23	19	0.38
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	1	0.38
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	1	0.38
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	10	0.38
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	10	0.38
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	10	0.38
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	11	0.38
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	11	0.38
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	11	0.38
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	6	0.38
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	2	0.38
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	3	0.38
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	4	0.38
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	8	0.38
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	10	0.38
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	12	0.38
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	2	0.38
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	5	0.38
(1,871)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	18	0.38
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	16	0.38
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	19	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	1	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	3	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	4	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	7	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	10	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	11	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	14	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	15	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	18	0.38
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	19	0.38
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	5	0.38
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	5	0.38
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	5	0.38
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	5	0.38
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	5	0.38
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	5	0.38
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	8	0.38
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	8	0.38
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	8	0.38
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	8	0.38
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	8	0.38
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	8	0.38
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	17	0.38
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	17	0.38
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	17	0.38
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	17	0.38
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	17	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	1	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	1	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	1	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	2	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	2	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	2	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	3	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	3	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	3	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	4	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	4	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	4	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	6	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	6	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	6	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	7	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	7	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	7	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	8	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	8	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	8	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	9	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	9	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	9	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	10	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	10	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	10	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	11	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	11	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	11	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	12	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	12	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	12	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	13	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	13	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	13	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	15	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	15	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	16	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	16	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	16	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	17	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	17	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	17	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	18	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	18	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	18	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	20	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	20	0.38
(1,675)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	20	0.38
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	6	0.38
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	6	0.38
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	6	0.38
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	14	0.38
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	8	0.38
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	8	0.38
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	8	0.38
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	8	0.38
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	8	0.38
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	8	0.38
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	8	0.38
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	8	0.38
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	8	0.38
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	9	0.38
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	9	0.38
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	9	0.38
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	9	0.38
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	9	0.38
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	9	0.38
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	9	0.38
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	9	0.38
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	9	0.38
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	14	0.38
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	14	0.38
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	14	0.38
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	14	0.38
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	14	0.38
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	14	0.38
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	14	0.38
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	14	0.38
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	2	0.38
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	2	0.38
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	2	0.38
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	3	0.38
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	3	0.38
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	3	0.38
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	4	0.38
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	4	0.38
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	4	0.38
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	9	0.38
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	9	0.38
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	9	0.38
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	11	0.38
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	11	0.38
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	11	0.38
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	12	0.38
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	12	0.38
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	12	0.38
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	5	0.38
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	6	0.38
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	15	0.38
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	16	0.38
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	5	0.38
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	5	0.38
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	6	0.38
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	6	0.38
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	13	0.38
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	13	0.38
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	19	0.38
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	7	0.38
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	9	0.38
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	3	0.38
(1,455)	1:398:A:ASP:HA	1:399:A:ASP:HB2	8	0.38
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	3	0.38
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	12	0.38
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	15	0.38
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	17	0.38
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	19	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	1	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	3	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	5	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	8	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	10	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	12	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	14	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	15	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	16	0.38
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	18	0.38
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	7	0.38
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	14	0.38
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	14	0.38
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	14	0.38
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	2	0.38
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	14	0.38
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	17	0.38
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	4	0.38
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	18	0.38
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	1	0.38
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	4	0.38
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	9	0.38
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	10	0.38
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	16	0.38
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	19	0.38
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	2	0.38
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	5	0.38
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	16	0.38
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	1	0.38
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	14	0.38
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	11	0.38
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	19	0.38
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	6	0.38
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	14	0.38
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	17	0.38
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	18	0.38
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	19	0.38
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	2	0.38
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	6	0.38
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	9	0.38
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	10	0.38
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	11	0.38
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	16	0.38
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	4	0.38
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	4	0.38
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	4	0.38
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	2	0.37
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	3	0.37
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	11	0.37
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	12	0.37
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	14	0.37
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	15	0.37
(1,4181)	1:430:A:GLY:H	1:368:A:ILE:HG13	5	0.37
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	1	0.37
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	11	0.37
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	12	0.37
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	16	0.37
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	17	0.37
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	19	0.37
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	20	0.37
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	10	0.37
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	6	0.37
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	13	0.37
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	16	0.37
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	17	0.37
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	18	0.37
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	4	0.37
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	18	0.37
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	1	0.37
(1,3981)	1:381:A:VAL:H	1:380:A:GLY:HA3	12	0.37
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	1	0.37
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	20	0.37
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	4	0.37
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	7	0.37
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	13	0.37
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	16	0.37
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	17	0.37
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	13	0.37
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	16	0.37
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	16	0.37
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	16	0.37
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	1	0.37
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	4	0.37
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	18	0.37
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	18	0.37
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	18	0.37
(1,3824)	1:430:A:GLY:H	1:429:A:TYR:HA	9	0.37
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	1	0.37
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	2	0.37
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	15	0.37
(1,3771)	1:426:A:GLN:H	1:426:A:GLN:HB2	17	0.37
(1,3752)	1:425:A:TRP:HE1	1:444:A:ASN:HB2	7	0.37
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	10	0.37
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	19	0.37
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	18	0.37
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	18	0.37
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	18	0.37
(1,3705)	1:430:A:GLY:H	1:437:A:ARG:HD3	9	0.37
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	16	0.37
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	10	0.37
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	19	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	1	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	1	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	1	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	2	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	2	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	2	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	3	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	3	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	3	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	4	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	4	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	4	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	7	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	7	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	7	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	11	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	11	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	11	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	16	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	16	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	16	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	18	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	18	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	19	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	19	0.37
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	19	0.37
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	1	0.37
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	3	0.37
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	12	0.37
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	5	0.37
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	11	0.37
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	4	0.37
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	10	0.37
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	15	0.37
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	6	0.37
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	8	0.37
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	13	0.37
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	13	0.37
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	13	0.37
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	15	0.37
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	15	0.37
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	15	0.37
(1,3493)	1:360:A:GLY:H	1:342:A:ASP:HB3	5	0.37
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	16	0.37
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	16	0.37
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	3	0.37
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	6	0.37
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	8	0.37
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	13	0.37
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	17	0.37
(1,3451)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	19	0.37
(1,3443)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	5	0.37
(1,3443)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	5	0.37
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	16	0.37
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	5	0.37
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	5	0.37
(1,3420)	1:382:A:PHE:HE1	1:378:A:PRO:HB2	20	0.37
(1,3420)	1:382:A:PHE:HE2	1:378:A:PRO:HB2	20	0.37
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	11	0.37
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	11	0.37
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	11	0.37
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	17	0.37
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	17	0.37
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	17	0.37
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	10	0.37
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	10	0.37
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	14	0.37
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	14	0.37
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	14	0.37
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	16	0.37
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	13	0.37
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	13	0.37
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	5	0.37
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	5	0.37
(1,3255)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	5	0.37
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	5	0.37
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	5	0.37
(1,3255)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	5	0.37
(1,3240)	1:440:A:HIS:HD2	1:439:A:SER:HB3	7	0.37
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	1	0.37
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	2	0.37
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	5	0.37
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	1	0.37
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	12	0.37
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	1	0.37
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	3	0.37
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	9	0.37
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	14	0.37
(1,3105)	1:361:A:LYS:HB2	1:362:A:VAL:H	5	0.37
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	5	0.37
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	9	0.37
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	10	0.37
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	1	0.37
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	8	0.37
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	14	0.37
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	15	0.37
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	20	0.37
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	1	0.37
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	2	0.37
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	3	0.37
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	6	0.37
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	8	0.37
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	9	0.37
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	16	0.37
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	18	0.37
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	20	0.37
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	16	0.37
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	16	0.37
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	16	0.37
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	12	0.37
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	1	0.37
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	1	0.37
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	1	0.37
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	5	0.37
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	5	0.37
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	5	0.37
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	7	0.37
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	7	0.37
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	7	0.37
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	14	0.37
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	16	0.37
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	16	0.37
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	16	0.37
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	16	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	1	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	2	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	3	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	4	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	5	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	6	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	8	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	9	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	10	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	11	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	12	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	14	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	15	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	16	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	17	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	19	0.37
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	20	0.37
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	2	0.37
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	4	0.37
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	11	0.37
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	13	0.37
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	9	0.37
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	15	0.37
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	19	0.37
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	6	0.37
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	6	0.37
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	6	0.37
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG21	10	0.37
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG22	10	0.37
(1,2780)	1:392:A:THR:HA	1:392:A:THR:HG23	10	0.37
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	18	0.37
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	10	0.37
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	7	0.37
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	7	0.37
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	7	0.37
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	8	0.37
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	8	0.37
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	8	0.37
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	14	0.37
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	14	0.37
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	14	0.37
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	15	0.37
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	15	0.37
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	15	0.37
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	10	0.37
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	2	0.37
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	2	0.37
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	2	0.37
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	3	0.37
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	3	0.37
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	3	0.37
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	13	0.37
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	13	0.37
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	13	0.37
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	20	0.37
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	20	0.37
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	20	0.37
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	2	0.37
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	2	0.37
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	2	0.37
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	6	0.37
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	6	0.37
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	6	0.37
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	11	0.37
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	11	0.37
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	17	0.37
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	17	0.37
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	17	0.37
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	6	0.37
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	6	0.37
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	6	0.37
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	8	0.37
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	8	0.37
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	8	0.37
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	15	0.37
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	15	0.37
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	15	0.37
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	3	0.37
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	4	0.37
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	5	0.37
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	16	0.37
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	18	0.37
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	1	0.37
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	6	0.37
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	7	0.37
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	9	0.37
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	10	0.37
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	12	0.37
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	17	0.37
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	15	0.37
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	15	0.37
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	15	0.37
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	18	0.37
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	19	0.37
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	19	0.37
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	19	0.37
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	19	0.37
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	19	0.37
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	19	0.37
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	19	0.37
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	19	0.37
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	19	0.37
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	6	0.37
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	6	0.37
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	11	0.37
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	11	0.37
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	11	0.37
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	19	0.37
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	19	0.37
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	19	0.37
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	13	0.37
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	4	0.37
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	8	0.37
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	10	0.37
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	12	0.37
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	14	0.37
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	20	0.37
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	20	0.37
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	20	0.37
(1,2176)	1:388:A:GLU:HA	1:388:A:GLU:HB2	2	0.37
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	7	0.37
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	8	0.37
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	17	0.37
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	20	0.37
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	12	0.37
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	12	0.37
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	12	0.37
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	18	0.37
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	18	0.37
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	18	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	1	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	2	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	4	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	5	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	7	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	9	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	11	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	12	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	13	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	14	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	15	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	17	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	18	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	19	0.37
(1,2124)	1:343:A:THR:HA	1:343:A:THR:HB	20	0.37
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	19	0.37
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	19	0.37
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	7	0.37
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	7	0.37
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	7	0.37
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	13	0.37
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	13	0.37
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	13	0.37
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	14	0.37
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	14	0.37
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	14	0.37
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	18	0.37
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	18	0.37
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	18	0.37
(1,2039)	1:369:A:VAL:HG21	1:369:A:VAL:HB	19	0.37
(1,2039)	1:369:A:VAL:HG22	1:369:A:VAL:HB	19	0.37
(1,2039)	1:369:A:VAL:HG23	1:369:A:VAL:HB	19	0.37
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	4	0.37
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	7	0.37
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	11	0.37
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	13	0.37
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	15	0.37
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	19	0.37
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	1	0.37
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	1	0.37
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	1	0.37
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	20	0.37
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	20	0.37
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	20	0.37
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	4	0.37
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	20	0.37
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	4	0.37
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	4	0.37
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	4	0.37
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	4	0.37
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	4	0.37
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	4	0.37
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	4	0.37
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	4	0.37
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	4	0.37
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	10	0.37
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	10	0.37
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	10	0.37
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	10	0.37
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	10	0.37
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	10	0.37
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	10	0.37
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	10	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	1	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	3	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	4	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	5	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	6	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	10	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	11	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	13	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	15	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	16	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	17	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	18	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	19	0.37
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	20	0.37
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	17	0.37
(1,1795)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	1	0.37
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	4	0.37
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	12	0.37
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	8	0.37
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	8	0.37
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	8	0.37
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	3	0.37
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	4	0.37
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	18	0.37
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	1	0.37
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	6	0.37
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	18	0.37
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	3	0.37
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	4	0.37
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	5	0.37
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	16	0.37
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	18	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	4	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	4	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	6	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	6	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	6	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	8	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	8	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	8	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	13	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	13	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	13	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	19	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	19	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	19	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	20	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	20	0.37
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	20	0.37
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	1	0.37
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	5	0.37
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	6	0.37
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	7	0.37
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	14	0.37
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	7	0.37
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	7	0.37
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	7	0.37
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	11	0.37
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	11	0.37
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	11	0.37
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	14	0.37
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	14	0.37
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	14	0.37
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	20	0.37
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	20	0.37
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	20	0.37
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	2	0.37
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	4	0.37
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	16	0.37
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	5	0.37
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	5	0.37
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	5	0.37
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	1	0.37
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	13	0.37
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	20	0.37
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	1	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	2	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	3	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	4	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	5	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	6	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	7	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	8	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	9	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	10	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	12	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	13	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	14	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	15	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	16	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	17	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	18	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	19	0.37
(1,1252)	1:376:A:PRO:HD3	1:376:A:PRO:HG2	20	0.37
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	12	0.37
(1,1180)	1:446:A:PRO:HA	1:446:A:PRO:HD3	14	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	1	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	2	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	4	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	5	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	7	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	9	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	11	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	12	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	13	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	14	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	15	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	17	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	18	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	19	0.37
(1,1156)	1:343:A:THR:HB	1:343:A:THR:HA	20	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	3	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	3	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	3	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	4	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	4	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	8	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	8	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	8	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	12	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	12	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	12	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	17	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	17	0.37
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	17	0.37
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	1	0.37
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	15	0.37
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	17	0.37
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	20	0.37
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	5	0.37
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	5	0.37
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	5	0.37
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	6	0.37
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	9	0.37
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	7	0.37
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	4	0.37
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	4	0.37
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	4	0.37
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	7	0.37
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	7	0.37
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	7	0.37
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	12	0.37
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	12	0.37
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	12	0.37
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	15	0.37
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	15	0.37
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	15	0.37
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	16	0.37
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	16	0.37
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	16	0.37
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	18	0.37
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	18	0.37
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	18	0.37
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	19	0.37
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	19	0.37
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	19	0.37
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	6	0.37
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	17	0.37
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	18	0.37
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	1	0.37
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	3	0.37
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	2	0.37
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	6	0.37
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	8	0.37
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	9	0.37
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	12	0.37
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	13	0.37
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	16	0.37
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	17	0.37
(1,727)	1:345:A:ILE:HA	1:345:A:ILE:HB	20	0.37
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	11	0.37
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	11	0.37
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	11	0.37
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	11	0.37
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	11	0.37
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	11	0.37
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	5	0.37
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	20	0.37
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	14	0.37
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	14	0.37
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	14	0.37
(1,665)	1:349:A:LEU:HD21	1:370:A:SER:HB3	15	0.37
(1,665)	1:349:A:LEU:HD22	1:370:A:SER:HB3	15	0.37
(1,665)	1:349:A:LEU:HD23	1:370:A:SER:HB3	15	0.37
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	1	0.37
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	5	0.37
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	16	0.37
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	4	0.37
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	4	0.37
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	4	0.37
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	4	0.37
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	4	0.37
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	4	0.37
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	4	0.37
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	4	0.37
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	4	0.37
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	7	0.37
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	7	0.37
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	7	0.37
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	7	0.37
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	7	0.37
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	7	0.37
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	7	0.37
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	7	0.37
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	14	0.37
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	14	0.37
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	14	0.37
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	16	0.37
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	16	0.37
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	16	0.37
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	18	0.37
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	18	0.37
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	18	0.37
(1,591)	1:459:A:LYS:HE2	1:459:A:LYS:HB2	10	0.37
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	9	0.37
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	5	0.37
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	1	0.37
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	1	0.37
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	2	0.37
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	2	0.37
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	9	0.37
(1,528)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	9	0.37
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	1	0.37
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	7	0.37
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	8	0.37
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	10	0.37
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	16	0.37
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	17	0.37
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	15	0.37
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	13	0.37
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	17	0.37
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	19	0.37
(1,428)	1:381:A:VAL:HB	1:381:A:VAL:H	5	0.37
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	13	0.37
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	2	0.37
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	4	0.37
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	6	0.37
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	9	0.37
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	17	0.37
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	10	0.37
(1,301)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	13	0.37
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	11	0.37
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	11	0.37
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	11	0.37
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	12	0.37
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	12	0.37
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	12	0.37
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	15	0.37
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	15	0.37
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	15	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	1	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	3	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	6	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	7	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	9	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	10	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	12	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	13	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	16	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	19	0.37
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	20	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	2	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	3	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	7	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	8	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	11	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	12	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	14	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	15	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	17	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	18	0.37
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	20	0.37
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	13	0.37
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	1	0.37
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	4	0.37
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	11	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	2	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	3	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	4	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	5	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	9	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	10	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	12	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	13	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	14	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	15	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	17	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	18	0.37
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	20	0.37
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	8	0.37
(1,91)	1:411:A:MET:HG2	1:411:A:MET:HA	15	0.37
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	3	0.37
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	8	0.37
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	19	0.37
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	19	0.37
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	19	0.37
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	17	0.36
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	9	0.36
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	16	0.36
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	5	0.36
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	7	0.36
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	17	0.36
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	2	0.36
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	2	0.36
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	2	0.36
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	1	0.36
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	1	0.36
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	1	0.36
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	9	0.36
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	9	0.36
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	9	0.36
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	10	0.36
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	10	0.36
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	10	0.36
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	19	0.36
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	14	0.36
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	3	0.36
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	4	0.36
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	15	0.36
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	20	0.36
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	9	0.36
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	18	0.36
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	2	0.36
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	3	0.36
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	5	0.36
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	7	0.36
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	8	0.36
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	9	0.36
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	10	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	1	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	2	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	3	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	4	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	6	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	7	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	8	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	9	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	10	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	11	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	12	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	13	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	14	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	15	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	16	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	17	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	18	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	19	0.36
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	20	0.36
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	2	0.36
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	18	0.36
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	2	0.36
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	8	0.36
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	11	0.36
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	1	0.36
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	16	0.36
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	18	0.36
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	7	0.36
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	11	0.36
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG21	13	0.36
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG22	13	0.36
(1,3847)	1:405:A:SER:H	1:392:A:THR:HG23	13	0.36
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	12	0.36
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	4	0.36
(1,3800)	1:367:A:ASP:H	1:367:A:ASP:HB2	1	0.36
(1,3800)	1:367:A:ASP:H	1:367:A:ASP:HB2	4	0.36
(1,3771)	1:426:A:GLN:H	1:426:A:GLN:HB2	6	0.36
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	20	0.36
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	20	0.36
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	20	0.36
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	4	0.36
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	18	0.36
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	4	0.36
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	20	0.36
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	2	0.36
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	3	0.36
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	4	0.36
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	12	0.36
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	15	0.36
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	14	0.36
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	14	0.36
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	14	0.36
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	12	0.36
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	12	0.36
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	12	0.36
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG11	17	0.36
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG12	17	0.36
(1,3645)	1:451:A:LYS:H	1:449:A:VAL:HG13	17	0.36
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	17	0.36
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	2	0.36
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	14	0.36
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	12	0.36
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	2	0.36
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	4	0.36
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	5	0.36
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	12	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	7	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	7	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	7	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	9	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	9	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	9	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	10	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	10	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	14	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	14	0.36
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	14	0.36
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	4	0.36
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	5	0.36
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	7	0.36
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	10	0.36
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	20	0.36
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	20	0.36
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	20	0.36
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	20	0.36
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	3	0.36
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	12	0.36
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	13	0.36
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	19	0.36
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	5	0.36
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	5	0.36
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	5	0.36
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	10	0.36
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	10	0.36
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	10	0.36
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	14	0.36
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	14	0.36
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	14	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	1	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	2	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	3	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	4	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	5	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	6	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	7	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	8	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	9	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	10	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	11	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	12	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	13	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	15	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	16	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	17	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	18	0.36
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	20	0.36
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	1	0.36
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	1	0.36
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	3	0.36
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	3	0.36
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	14	0.36
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	14	0.36
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	5	0.36
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	5	0.36
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	5	0.36
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	1	0.36
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	5	0.36
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	17	0.36
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	2	0.36
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	2	0.36
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	4	0.36
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	4	0.36
(1,3280)	1:357:A:TYR:HD1	1:360:A:GLY:HA2	6	0.36
(1,3280)	1:357:A:TYR:HD2	1:360:A:GLY:HA2	6	0.36
(1,3220)	1:355:A:TRP:HE3	1:346:A:GLU:HB3	19	0.36
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	8	0.36
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	12	0.36
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	13	0.36
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	14	0.36
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	20	0.36
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	5	0.36
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	17	0.36
(1,3106)	1:433:A:LEU:HD21	1:433:A:LEU:HA	13	0.36
(1,3106)	1:433:A:LEU:HD22	1:433:A:LEU:HA	13	0.36
(1,3106)	1:433:A:LEU:HD23	1:433:A:LEU:HA	13	0.36
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	19	0.36
(1,3073)	1:387:A:LYS:HG2	1:387:A:LYS:H	7	0.36
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	4	0.36
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	9	0.36
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	10	0.36
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	11	0.36
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	12	0.36
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	15	0.36
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	15	0.36
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	20	0.36
(1,2993)	1:435:A:LYS:HE3	1:434:A:TRP:HZ2	17	0.36
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	2	0.36
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	9	0.36
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	17	0.36
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	18	0.36
(1,2968)	1:431:A:GLY:HA2	1:432:A:ASP:H	3	0.36
(1,2951)	1:427:A:PRO:HA	1:427:A:PRO:HB3	7	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	4	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	5	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	7	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	10	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	11	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	12	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	13	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	14	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	15	0.36
(1,2916)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	17	0.36
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	14	0.36
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	9	0.36
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	9	0.36
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	9	0.36
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	19	0.36
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	19	0.36
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	19	0.36
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	2	0.36
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	9	0.36
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	19	0.36
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	3	0.36
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	3	0.36
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	3	0.36
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	7	0.36
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	13	0.36
(1,2848)	1:453:A:LEU:HG	1:453:A:LEU:HB2	18	0.36
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	10	0.36
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	3	0.36
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	5	0.36
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	8	0.36
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	10	0.36
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	13	0.36
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	14	0.36
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	16	0.36
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	17	0.36
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	19	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	1	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	1	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	1	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	2	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	2	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	2	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	3	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	3	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	3	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	4	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	4	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	4	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	5	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	5	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	5	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	6	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	6	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	6	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	7	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	7	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	7	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	8	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	8	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	8	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	9	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	9	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	9	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	10	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	10	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	10	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	11	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	11	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	11	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	12	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	12	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	12	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	13	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	13	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	13	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	14	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	14	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	15	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	15	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	15	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	16	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	16	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	16	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	17	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	17	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	17	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	18	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	18	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	18	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	19	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	19	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	19	0.36
(1,2778)	1:347:A:VAL:HG21	1:347:A:VAL:HB	20	0.36
(1,2778)	1:347:A:VAL:HG22	1:347:A:VAL:HB	20	0.36
(1,2778)	1:347:A:VAL:HG23	1:347:A:VAL:HB	20	0.36
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	5	0.36
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	6	0.36
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	19	0.36
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	20	0.36
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	6	0.36
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	8	0.36
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	14	0.36
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	16	0.36
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	17	0.36
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	19	0.36
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	13	0.36
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	18	0.36
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	18	0.36
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	18	0.36
(1,2653)	1:373:A:PRO:HD2	1:372:A:LYS:HA	13	0.36
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	6	0.36
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	6	0.36
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	6	0.36
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	14	0.36
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	14	0.36
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	14	0.36
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	16	0.36
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	16	0.36
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	17	0.36
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	17	0.36
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	17	0.36
(1,2623)	1:350:A:GLU:HG3	1:350:A:GLU:H	5	0.36
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	3	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	3	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	3	0.36
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	5	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	5	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	5	0.36
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	8	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	8	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	8	0.36
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	9	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	9	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	9	0.36
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	10	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	10	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	10	0.36
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	12	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	12	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	12	0.36
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	14	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	14	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	14	0.36
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	15	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	15	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	15	0.36
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	18	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	18	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	18	0.36
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	19	0.36
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	19	0.36
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	19	0.36
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	14	0.36
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	14	0.36
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	14	0.36
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	14	0.36
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	7	0.36
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	7	0.36
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	11	0.36
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	14	0.36
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	15	0.36
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	2	0.36
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	5	0.36
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	8	0.36
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	11	0.36
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	15	0.36
(1,2452)	1:354:A:MET:HE1	1:453:A:LEU:HG	16	0.36
(1,2452)	1:354:A:MET:HE2	1:453:A:LEU:HG	16	0.36
(1,2452)	1:354:A:MET:HE3	1:453:A:LEU:HG	16	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	2	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	2	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	2	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	4	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	4	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	4	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	5	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	5	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	5	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	6	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	6	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	6	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	8	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	8	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	8	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	12	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	12	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	12	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	13	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	13	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	13	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	14	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	14	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	14	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	15	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	15	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	15	0.36
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	20	0.36
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	20	0.36
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	20	0.36
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	5	0.36
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	5	0.36
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	5	0.36
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	5	0.36
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	5	0.36
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	5	0.36
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	5	0.36
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	5	0.36
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	14	0.36
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	14	0.36
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	14	0.36
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	14	0.36
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	14	0.36
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	14	0.36
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	14	0.36
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	14	0.36
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	14	0.36
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	8	0.36
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	8	0.36
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	8	0.36
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	16	0.36
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	16	0.36
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	16	0.36
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	8	0.36
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	18	0.36
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	1	0.36
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	3	0.36
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	5	0.36
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	17	0.36
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	19	0.36
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG21	7	0.36
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG22	7	0.36
(1,2178)	1:343:A:THR:HA	1:343:A:THR:HG23	7	0.36
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	6	0.36
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	10	0.36
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	12	0.36
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	2	0.36
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	2	0.36
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	2	0.36
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	6	0.36
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	6	0.36
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	2	0.36
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	12	0.36
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	12	0.36
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	12	0.36
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	5	0.36
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	5	0.36
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	5	0.36
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	4	0.36
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	8	0.36
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	11	0.36
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	15	0.36
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	3	0.36
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	5	0.36
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	6	0.36
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	9	0.36
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	12	0.36
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	16	0.36
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	17	0.36
(1,2030)	1:406:A:PRO:HG2	1:407:A:VAL:H	18	0.36
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	19	0.36
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	19	0.36
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	19	0.36
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	1	0.36
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	8	0.36
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	12	0.36
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	16	0.36
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	1	0.36
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	1	0.36
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	1	0.36
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	1	0.36
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	1	0.36
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	1	0.36
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	1	0.36
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	1	0.36
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	1	0.36
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE1	3	0.36
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE2	3	0.36
(1,1890)	1:457:A:VAL:HG11	1:411:A:MET:HE3	3	0.36
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE1	3	0.36
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE2	3	0.36
(1,1890)	1:457:A:VAL:HG12	1:411:A:MET:HE3	3	0.36
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE1	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE2	3	0.36
(1,1890)	1:457:A:VAL:HG13	1:411:A:MET:HE3	3	0.36
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	7	0.36
(1,1885)	1:423:A:SER:HA	1:423:A:SER:HB3	14	0.36
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	7	0.36
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	13	0.36
(1,1830)	1:354:A:MET:HG3	1:354:A:MET:HA	19	0.36
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	1	0.36
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	5	0.36
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	7	0.36
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	12	0.36
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	13	0.36
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	14	0.36
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	17	0.36
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	3	0.36
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	1	0.36
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	2	0.36
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	10	0.36
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	14	0.36
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	17	0.36
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	7	0.36
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	13	0.36
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	16	0.36
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	20	0.36
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	11	0.36
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	14	0.36
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	15	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	2	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	2	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	2	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	3	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	3	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	3	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	10	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	10	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	10	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	11	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	11	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	11	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	12	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	12	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	17	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	17	0.36
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	17	0.36
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	2	0.36
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	10	0.36
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	11	0.36
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	15	0.36
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	9	0.36
(1,1520)	1:372:A:LYS:HD2	1:372:A:LYS:H	13	0.36
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	3	0.36
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	3	0.36
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	3	0.36
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	15	0.36
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	15	0.36
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	15	0.36
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	17	0.36
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	6	0.36
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	9	0.36
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	19	0.36
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	3	0.36
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	12	0.36
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	9	0.36
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	14	0.36
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	15	0.36
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	17	0.36
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	5	0.36
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	14	0.36
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	13	0.36
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	16	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	5	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	5	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	5	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	6	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	6	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	6	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	9	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	9	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	9	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	15	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	15	0.36
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	15	0.36
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	5	0.36
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	6	0.36
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	14	0.36
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	16	0.36
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	19	0.36
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	3	0.36
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	3	0.36
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	3	0.36
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	1	0.36
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	4	0.36
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	8	0.36
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	12	0.36
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	14	0.36
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	15	0.36
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	18	0.36
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	18	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	1	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	1	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	1	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	2	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	2	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	2	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	3	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	3	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	3	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	5	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	5	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	5	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	6	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	6	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	6	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	8	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	8	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	8	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	9	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	9	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	9	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	10	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	10	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	10	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	11	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	11	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	13	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	13	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	13	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	14	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	14	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	14	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	17	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	17	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	17	0.36
(1,880)	1:384:A:VAL:HG21	1:384:A:VAL:HB	20	0.36
(1,880)	1:384:A:VAL:HG22	1:384:A:VAL:HB	20	0.36
(1,880)	1:384:A:VAL:HG23	1:384:A:VAL:HB	20	0.36
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	3	0.36
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	1	0.36
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	13	0.36
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	17	0.36
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	5	0.36
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	20	0.36
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	14	0.36
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	14	0.36
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	14	0.36
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	14	0.36
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	14	0.36
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	14	0.36
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	1	0.36
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	3	0.36
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	4	0.36
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	7	0.36
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	8	0.36
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	9	0.36
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	18	0.36
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	19	0.36
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	3	0.36
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	7	0.36
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	10	0.36
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	13	0.36
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	1	0.36
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	2	0.36
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	4	0.36
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	5	0.36
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	10	0.36
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	11	0.36
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	12	0.36
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	15	0.36
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	17	0.36
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	19	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	1	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	1	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	1	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	1	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	1	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	1	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	1	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	1	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	1	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	11	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	11	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	11	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	11	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	11	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	11	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	11	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	11	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	11	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	13	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	13	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	13	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	13	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	13	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	13	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	13	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	13	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	13	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	16	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	16	0.36
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	16	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	16	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	16	0.36
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	16	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	16	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	16	0.36
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	5	0.36
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	5	0.36
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	5	0.36
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	5	0.36
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	5	0.36
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	5	0.36
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	7	0.36
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	7	0.36
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	7	0.36
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	15	0.36
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	15	0.36
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	15	0.36
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	20	0.36
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	20	0.36
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	20	0.36
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	18	0.36
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	5	0.36
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	20	0.36
(1,510)	1:388:A:GLU:HG3	1:389:A:GLU:H	19	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	2	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	3	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	4	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	5	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	6	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	11	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	12	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	13	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	14	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	15	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	18	0.36
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	20	0.36
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	11	0.36
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	12	0.36
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	16	0.36
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	17	0.36
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	19	0.36
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	20	0.36
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	11	0.36
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	16	0.36
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	15	0.36
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	4	0.36
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:378:A:PRO:HB3	1:378:A:PRO:HG2	11	0.36
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	2	0.36
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	2	0.36
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	2	0.36
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	4	0.36
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	8	0.36
(1,287)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	11	0.36
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	5	0.36
(1,275)	1:431:A:GLY:HA2	1:431:A:GLY:H	6	0.36
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	2	0.36
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	12	0.36
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	14	0.36
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	17	0.36
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	19	0.36
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	1	0.36
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	6	0.36
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	8	0.36
(1,122)	1:443:A:ILE:HG13	1:443:A:ILE:HB	16	0.36
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	9	0.36
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	5	0.36
(1,74)	1:369:A:VAL:HG21	1:368:A:ILE:HA	6	0.36
(1,74)	1:369:A:VAL:HG22	1:368:A:ILE:HA	6	0.36
(1,74)	1:369:A:VAL:HG23	1:368:A:ILE:HA	6	0.36
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	7	0.35
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	8	0.35
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	3	0.35
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	1	0.35
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	2	0.35
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	7	0.35
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	12	0.35
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	17	0.35
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	6	0.35
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	16	0.35
(1,4202)	1:355:A:TRP:H	1:354:A:MET:HA	20	0.35
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	12	0.35
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	12	0.35
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	12	0.35
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	11	0.35
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	3	0.35
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	3	0.35
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	3	0.35
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	16	0.35
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	16	0.35
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	15	0.35
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	3	0.35
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	4	0.35
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	7	0.35
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	13	0.35
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	18	0.35
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	11	0.35
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	5	0.35
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	7	0.35
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	11	0.35
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	3	0.35
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	8	0.35
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	19	0.35
(1,4020)	1:411:A:MET:H	1:411:A:MET:HA	5	0.35
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	3	0.35
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	20	0.35
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	20	0.35
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	20	0.35
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	3	0.35
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	6	0.35
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	11	0.35
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	19	0.35
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	9	0.35
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	12	0.35
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	14	0.35
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	19	0.35
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	5	0.35
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	1	0.35
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	2	0.35
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	4	0.35
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	8	0.35
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	10	0.35
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	11	0.35
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	15	0.35
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG21	5	0.35
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG22	5	0.35
(1,3870)	1:458:A:GLU:H	1:457:A:VAL:HG23	5	0.35
(1,3858)	1:434:A:TRP:HE1	1:352:A:GLN:HG3	1	0.35
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	2	0.35
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	18	0.35
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	20	0.35
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	2	0.35
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	8	0.35
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	5	0.35
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	15	0.35
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	14	0.35
(1,3790)	1:340:A:MET:H	1:339:A:HIS:HA	15	0.35
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	11	0.35
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	2	0.35
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	2	0.35
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	2	0.35
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	16	0.35
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	16	0.35
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	16	0.35
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	1	0.35
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	2	0.35
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	10	0.35
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	20	0.35
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	8	0.35
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	10	0.35
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE1	10	0.35
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE2	10	0.35
(1,3657)	1:422:A:ASP:H	1:450:A:MET:HE3	10	0.35
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	12	0.35
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	20	0.35
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	3	0.35
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	3	0.35
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	4	0.35
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	7	0.35
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	10	0.35
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	12	0.35
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	16	0.35
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	9	0.35
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	20	0.35
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	10	0.35
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	13	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	3	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	3	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	3	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	5	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	5	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	8	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	8	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	8	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	12	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	12	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	12	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	16	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	16	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	16	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	17	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	17	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	17	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	20	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	20	0.35
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	20	0.35
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	11	0.35
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	16	0.35
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	16	0.35
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	16	0.35
(1,3413)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	16	0.35
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	16	0.35
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	16	0.35
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	16	0.35
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	4	0.35
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	14	0.35
(1,3326)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	14	0.35
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	7	0.35
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	7	0.35
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	7	0.35
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	4	0.35
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	7	0.35
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	8	0.35
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	9	0.35
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	11	0.35
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	12	0.35
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	14	0.35
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	18	0.35
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	19	0.35
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	4	0.35
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	7	0.35
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	19	0.35
(1,3239)	1:409:A:TYR:HE1	1:451:A:LYS:HG2	14	0.35
(1,3239)	1:409:A:TYR:HE2	1:451:A:LYS:HG2	14	0.35
(1,3198)	1:415:A:TRP:HE3	1:415:A:TRP:HB2	14	0.35
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	9	0.35
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	11	0.35
(1,3120)	1:404:A:GLU:HB3	1:404:A:GLU:HA	5	0.35
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	1	0.35
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	6	0.35
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	17	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	2	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	3	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	5	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	6	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	7	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	8	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	13	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	14	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	16	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	17	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	18	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	19	0.35
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	20	0.35
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	18	0.35
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	4	0.35
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	7	0.35
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	16	0.35
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	19	0.35
(1,2935)	1:346:A:GLU:HG3	1:346:A:GLU:HB3	16	0.35
(1,2915)	1:457:A:VAL:HG21	1:458:A:GLU:H	5	0.35
(1,2915)	1:457:A:VAL:HG22	1:458:A:GLU:H	5	0.35
(1,2915)	1:457:A:VAL:HG23	1:458:A:GLU:H	5	0.35
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	1	0.35
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	6	0.35
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	13	0.35
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	3	0.35
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	3	0.35
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	3	0.35
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	12	0.35
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	12	0.35
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	12	0.35
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	18	0.35
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	18	0.35
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	4	0.35
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	4	0.35
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	4	0.35
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	15	0.35
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	15	0.35
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	15	0.35
(1,2835)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	15	0.35
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	1	0.35
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	17	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	1	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	2	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	3	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	4	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	5	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	6	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	7	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	8	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	9	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	10	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	11	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	12	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	13	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	14	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	15	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	16	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	17	0.35
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	18	0.35
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	2	0.35
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	3	0.35
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	5	0.35
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	6	0.35
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	9	0.35
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	11	0.35
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	17	0.35
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	19	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	2	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	3	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	4	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	5	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	9	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	10	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	12	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	13	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	14	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	15	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	16	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	17	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	18	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	19	0.35
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	20	0.35
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	1	0.35
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	7	0.35
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	12	0.35
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	1	0.35
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	4	0.35
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	9	0.35
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	11	0.35
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	3	0.35
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	3	0.35
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	3	0.35
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	5	0.35
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	5	0.35
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	5	0.35
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	12	0.35
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	12	0.35
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	12	0.35
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	17	0.35
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	17	0.35
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	17	0.35
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	20	0.35
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	20	0.35
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	20	0.35
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	9	0.35
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	9	0.35
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	9	0.35
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	11	0.35
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	11	0.35
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	11	0.35
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	12	0.35
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	12	0.35
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	1	0.35
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	1	0.35
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	1	0.35
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	4	0.35
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	4	0.35
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	4	0.35
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	7	0.35
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	7	0.35
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	7	0.35
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	13	0.35
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	13	0.35
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	13	0.35
(1,2615)	1:363:A:ALA:HB1	1:364:A:LEU:HB3	16	0.35
(1,2615)	1:363:A:ALA:HB2	1:364:A:LEU:HB3	16	0.35
(1,2615)	1:363:A:ALA:HB3	1:364:A:LEU:HB3	16	0.35
(1,2569)	1:450:A:MET:HE1	1:422:A:ASP:H	10	0.35
(1,2569)	1:450:A:MET:HE2	1:422:A:ASP:H	10	0.35
(1,2569)	1:450:A:MET:HE3	1:422:A:ASP:H	10	0.35
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	14	0.35
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	14	0.35
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	14	0.35
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	19	0.35
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	19	0.35
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	19	0.35
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	20	0.35
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	4	0.35
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	13	0.35
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	14	0.35
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	19	0.35
(1,2525)	1:417:A:GLY:HA3	1:417:A:GLY:H	20	0.35
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	3	0.35
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	3	0.35
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	10	0.35
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	10	0.35
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	12	0.35
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	12	0.35
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	18	0.35
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	18	0.35
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	19	0.35
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	19	0.35
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	1	0.35
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	1	0.35
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	3	0.35
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	3	0.35
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	3	0.35
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	7	0.35
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	7	0.35
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	7	0.35
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	9	0.35
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	9	0.35
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	9	0.35
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	10	0.35
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	10	0.35
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	10	0.35
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	16	0.35
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	16	0.35
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	16	0.35
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	17	0.35
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	17	0.35
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	17	0.35
(1,2420)	1:418:A:VAL:HG11	1:418:A:VAL:HB	18	0.35
(1,2420)	1:418:A:VAL:HG12	1:418:A:VAL:HB	18	0.35
(1,2420)	1:418:A:VAL:HG13	1:418:A:VAL:HB	18	0.35
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	7	0.35
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	7	0.35
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	7	0.35
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	7	0.35
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	7	0.35
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	7	0.35
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	7	0.35
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	7	0.35
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	7	0.35
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	15	0.35
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	15	0.35
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	15	0.35
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	15	0.35
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	15	0.35
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	15	0.35
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	15	0.35
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	15	0.35
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	15	0.35
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	9	0.35
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	9	0.35
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	10	0.35
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	10	0.35
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	10	0.35
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	12	0.35
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	12	0.35
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	12	0.35
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	14	0.35
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	14	0.35
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	14	0.35
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	17	0.35
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	17	0.35
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	17	0.35
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	18	0.35
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	18	0.35
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	18	0.35
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	20	0.35
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	20	0.35
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	20	0.35
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	2	0.35
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	7	0.35
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	14	0.35
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	6	0.35
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	7	0.35
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	9	0.35
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	11	0.35
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	15	0.35
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	20	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	1	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	2	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	3	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	4	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	5	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	7	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	8	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	9	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	11	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	13	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	14	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	15	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	16	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	18	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	19	0.35
(1,2172)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	20	0.35
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	1	0.35
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	1	0.35
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	1	0.35
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	17	0.35
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	17	0.35
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	17	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	1	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	2	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	3	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	5	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	7	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	10	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	12	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	16	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	17	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	18	0.35
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	20	0.35
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	12	0.35
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	12	0.35
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	12	0.35
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	10	0.35
(1,1926)	1:365:A:GLU:HB2	1:364:A:LEU:HA	19	0.35
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	18	0.35
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	18	0.35
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	18	0.35
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	19	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	2	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	3	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	4	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	6	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	8	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	9	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	10	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	11	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	15	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	18	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	19	0.35
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	20	0.35
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	12	0.35
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	12	0.35
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	15	0.35
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	15	0.35
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	15	0.35
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	8	0.35
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	20	0.35
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	17	0.35
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	20	0.35
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	9	0.35
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	9	0.35
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	9	0.35
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	3	0.35
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	4	0.35
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	6	0.35
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	7	0.35
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	9	0.35
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	12	0.35
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	13	0.35
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	14	0.35
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	17	0.35
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	20	0.35
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	11	0.35
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	11	0.35
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	11	0.35
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	4	0.35
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	4	0.35
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	4	0.35
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	13	0.35
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	13	0.35
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	13	0.35
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	15	0.35
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	16	0.35
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	5	0.35
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	6	0.35
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	12	0.35
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	18	0.35
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	8	0.35
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	1	0.35
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	8	0.35
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	10	0.35
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG21	19	0.35
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG22	19	0.35
(1,1389)	1:384:A:VAL:HA	1:384:A:VAL:HG23	19	0.35
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	7	0.35
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	6	0.35
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	3	0.35
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	4	0.35
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	12	0.35
(1,1314)	1:340:A:MET:HA	1:340:A:MET:HB2	4	0.35
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	16	0.35
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	11	0.35
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	15	0.35
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	18	0.35
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	14	0.35
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	14	0.35
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	14	0.35
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	14	0.35
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD11	19	0.35
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD12	19	0.35
(1,1108)	1:443:A:ILE:HB	1:443:A:ILE:HD13	19	0.35
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	9	0.35
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	10	0.35
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	10	0.35
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	10	0.35
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	13	0.35
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	13	0.35
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	13	0.35
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	20	0.35
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	20	0.35
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	20	0.35
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	6	0.35
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	11	0.35
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	17	0.35
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	19	0.35
(1,1011)	1:435:A:LYS:HA	1:436:A:THR:H	11	0.35
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	9	0.35
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	9	0.35
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	9	0.35
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	3	0.35
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	5	0.35
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	7	0.35
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	11	0.35
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	13	0.35
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	16	0.35
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	17	0.35
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	18	0.35
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	20	0.35
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	6	0.35
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	12	0.35
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	13	0.35
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	14	0.35
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	10	0.35
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	1	0.35
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	11	0.35
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	19	0.35
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	1	0.35
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	2	0.35
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	6	0.35
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	10	0.35
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	11	0.35
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	12	0.35
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	13	0.35
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	14	0.35
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	15	0.35
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	16	0.35
(1,668)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	17	0.35
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	2	0.35
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	9	0.35
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	3	0.35
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	8	0.35
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	14	0.35
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	20	0.35
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	3	0.35
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	3	0.35
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	3	0.35
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	3	0.35
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	3	0.35
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	3	0.35
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	3	0.35
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	3	0.35
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	3	0.35
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	17	0.35
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	17	0.35
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	17	0.35
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	17	0.35
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	17	0.35
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	17	0.35
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	17	0.35
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	17	0.35
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	19	0.35
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	19	0.35
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	19	0.35
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	19	0.35
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	19	0.35
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	19	0.35
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	19	0.35
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	19	0.35
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	19	0.35
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	7	0.35
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	7	0.35
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	7	0.35
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	17	0.35
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	17	0.35
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	17	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	2	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	3	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	4	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	7	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	8	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	9	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	10	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	11	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	12	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	13	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	14	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	15	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	16	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	17	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	18	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	19	0.35
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	20	0.35
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	1	0.35
(1,498)	1:454:A:PHE:HA	1:454:A:PHE:H	9	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	2	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	3	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	4	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	5	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	6	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	7	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	8	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	9	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	10	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	13	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	14	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	15	0.35
(1,495)	1:348:A:ASP:HA	1:348:A:ASP:HB3	18	0.35
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	14	0.35
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	15	0.35
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	12	0.35
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	13	0.35
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	2	0.35
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	9	0.35
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	14	0.35
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	18	0.35
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	12	0.35
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	12	0.35
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	12	0.35
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	4	0.35
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	4	0.35
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	4	0.35
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	18	0.35
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	18	0.35
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	18	0.35
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	12	0.35
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	12	0.35
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	3	0.35
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	5	0.35
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	8	0.35
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	13	0.35
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	15	0.35
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	20	0.35
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	2	0.35
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	6	0.35
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	15	0.35
(1,185)	1:435:A:LYS:HG2	1:435:A:LYS:HA	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	19	0.35
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	19	0.35
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	19	0.35
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	2	0.35
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	6	0.35
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	12	0.35
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	14	0.35
(1,78)	1:354:A:MET:HA	1:348:A:ASP:H	1	0.35
(1,13)	1:459:A:LYS:HA	1:459:A:LYS:HB3	18	0.35
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	2	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	3	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	4	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	6	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	9	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	10	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	11	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	13	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	14	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	15	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	17	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	18	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	19	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	20	0.34
(1,4210)	1:424:A:ASP:H	1:425:A:TRP:H	9	0.34
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	3	0.34
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	4	0.34
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	10	0.34
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	11	0.34
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	19	0.34
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	20	0.34
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	8	0.34
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	8	0.34
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	8	0.34
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	18	0.34
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	18	0.34
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	18	0.34
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG21	5	0.34
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG22	5	0.34
(1,4159)	1:419:A:GLY:H	1:413:A:ILE:HG23	5	0.34
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	2	0.34
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	2	0.34
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	3	0.34
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	2	0.34
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	8	0.34
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	9	0.34
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	10	0.34
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	14	0.34
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	1	0.34
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	14	0.34
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	20	0.34
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	6	0.34
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	14	0.34
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	15	0.34
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	11	0.34
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	6	0.34
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	8	0.34
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	18	0.34
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	16	0.34
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	16	0.34
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	16	0.34
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	2	0.34
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	8	0.34
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	10	0.34
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	16	0.34
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	3	0.34
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	15	0.34
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	5	0.34
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	6	0.34
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	7	0.34
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	13	0.34
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	5	0.34
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	8	0.34
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	10	0.34
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	13	0.34
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	15	0.34
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	5	0.34
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	14	0.34
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	20	0.34
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	3	0.34
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	4	0.34
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	12	0.34
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	14	0.34
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	20	0.34
(1,3800)	1:367:A:ASP:H	1:367:A:ASP:HB2	16	0.34
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	12	0.34
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	17	0.34
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	2	0.34
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	20	0.34
(1,3730)	1:341:A:GLU:H	1:341:A:GLU:HB3	15	0.34
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	8	0.34
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	7	0.34
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	9	0.34
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	11	0.34
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	13	0.34
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	19	0.34
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	3	0.34
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	19	0.34
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	5	0.34
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	15	0.34
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	16	0.34
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	1	0.34
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	2	0.34
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	3	0.34
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	11	0.34
(1,3627)	1:377:A:THR:H	1:376:A:PRO:HA	2	0.34
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	6	0.34
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	6	0.34
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	8	0.34
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	18	0.34
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	2	0.34
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	6	0.34
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	15	0.34
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	17	0.34
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	18	0.34
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	19	0.34
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	3	0.34
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	17	0.34
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	1	0.34
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	14	0.34
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	18	0.34
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	20	0.34
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	11	0.34
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	11	0.34
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	18	0.34
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	18	0.34
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	18	0.34
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	13	0.34
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	13	0.34
(1,3474)	1:423:A:SER:H	1:422:A:ASP:HA	19	0.34
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	2	0.34
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	2	0.34
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	17	0.34
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	17	0.34
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	20	0.34
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	20	0.34
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	4	0.34
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	4	0.34
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	4	0.34
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	18	0.34
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	19	0.34
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	4	0.34
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	10	0.34
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	2	0.34
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	3	0.34
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	6	0.34
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	10	0.34
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	13	0.34
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	15	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	1	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	2	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	3	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	5	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	8	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	9	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	11	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	12	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	13	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	14	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	15	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	16	0.34
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	20	0.34
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	18	0.34
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	18	0.34
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	18	0.34
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	10	0.34
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	3	0.34
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	7	0.34
(1,3050)	1:349:A:LEU:HA	1:350:A:GLU:H	1	0.34
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	15	0.34
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	2	0.34
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	3	0.34
(1,2935)	1:346:A:GLU:HG3	1:346:A:GLU:HB3	17	0.34
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	7	0.34
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	16	0.34
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	20	0.34
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	20	0.34
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	20	0.34
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	3	0.34
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	8	0.34
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	5	0.34
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	5	0.34
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	5	0.34
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	9	0.34
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	9	0.34
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	9	0.34
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	14	0.34
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	14	0.34
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	14	0.34
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	20	0.34
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	20	0.34
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	20	0.34
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	13	0.34
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	12	0.34
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	16	0.34
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	17	0.34
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	18	0.34
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	2	0.34
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	4	0.34
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	11	0.34
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	18	0.34
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	20	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	1	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	2	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	3	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	5	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	7	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	8	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	9	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	10	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	11	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	12	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	13	0.34
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	19	0.34
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	16	0.34
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	17	0.34
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	19	0.34
(1,2758)	1:456:A:MET:HB2	1:456:A:MET:HA	20	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	1	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	4	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	8	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	10	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	12	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	13	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	14	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	15	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	16	0.34
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	18	0.34
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	1	0.34
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	7	0.34
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	8	0.34
(1,2716)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	11	0.34
(1,2712)	1:427:A:PRO:HD2	1:426:A:GLN:HB2	1	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	2	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	3	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	4	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	8	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	9	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	11	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	13	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	14	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	15	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	16	0.34
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	17	0.34
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	3	0.34
(1,2676)	1:458:A:GLU:HB3	1:459:A:LYS:HA	18	0.34
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	5	0.34
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	5	0.34
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	8	0.34
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	8	0.34
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	8	0.34
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	10	0.34
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	10	0.34
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	10	0.34
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	8	0.34
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	7	0.34
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	1	0.34
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	1	0.34
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	20	0.34
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	20	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	2	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	2	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	2	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	2	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	2	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	2	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	2	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	2	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	2	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	4	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	4	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	4	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	4	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	4	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	4	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	4	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	4	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	4	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	8	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	8	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	8	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	8	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	8	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	8	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	8	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	8	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	8	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	18	0.34
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	18	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	18	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	18	0.34
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	18	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	18	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	18	0.34
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	18	0.34
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	1	0.34
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	1	0.34
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	1	0.34
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	3	0.34
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	3	0.34
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	3	0.34
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	4	0.34
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	4	0.34
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	4	0.34
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	5	0.34
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	5	0.34
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	5	0.34
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	7	0.34
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	7	0.34
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	7	0.34
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	15	0.34
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	15	0.34
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	15	0.34
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	3	0.34
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	4	0.34
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	16	0.34
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	18	0.34
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	2	0.34
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	18	0.34
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	11	0.34
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	12	0.34
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	17	0.34
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	20	0.34
(1,2174)	1:366:A:THR:HA	1:367:A:ASP:H	16	0.34
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	3	0.34
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	3	0.34
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	3	0.34
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	7	0.34
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	7	0.34
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	10	0.34
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	10	0.34
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	10	0.34
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	13	0.34
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	13	0.34
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	13	0.34
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	20	0.34
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	20	0.34
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	20	0.34
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	1	0.34
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	1	0.34
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	1	0.34
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	6	0.34
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	6	0.34
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	6	0.34
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	18	0.34
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	18	0.34
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	18	0.34
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD11	7	0.34
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD12	7	0.34
(1,2040)	1:452:A:GLU:HB3	1:364:A:LEU:HD13	7	0.34
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	6	0.34
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	9	0.34
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	13	0.34
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	19	0.34
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	5	0.34
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	5	0.34
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	5	0.34
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	7	0.34
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	7	0.34
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	7	0.34
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	6	0.34
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	6	0.34
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	6	0.34
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	1	0.34
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	13	0.34
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	14	0.34
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	20	0.34
(1,1828)	1:450:A:MET:HA	1:451:A:LYS:H	16	0.34
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	5	0.34
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	14	0.34
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	11	0.34
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	11	0.34
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	11	0.34
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	4	0.34
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	8	0.34
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	7	0.34
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	7	0.34
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	7	0.34
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	14	0.34
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	14	0.34
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	14	0.34
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	16	0.34
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	16	0.34
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	16	0.34
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	5	0.34
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	8	0.34
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	1	0.34
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	3	0.34
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	4	0.34
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	8	0.34
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	18	0.34
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	9	0.34
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	9	0.34
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	9	0.34
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	12	0.34
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	12	0.34
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	12	0.34
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	18	0.34
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	18	0.34
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	18	0.34
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	4	0.34
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	4	0.34
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	4	0.34
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	12	0.34
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	12	0.34
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	12	0.34
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	3	0.34
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	11	0.34
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	12	0.34
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	19	0.34
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	6	0.34
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	19	0.34
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	2	0.34
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	3	0.34
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	9	0.34
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	11	0.34
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	17	0.34
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	2	0.34
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	12	0.34
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	7	0.34
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	7	0.34
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	7	0.34
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	15	0.34
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	15	0.34
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	15	0.34
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	20	0.34
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	13	0.34
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	15	0.34
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	1	0.34
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	20	0.34
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	4	0.34
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	18	0.34
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	16	0.34
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	16	0.34
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	16	0.34
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	16	0.34
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	19	0.34
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	7	0.34
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	5	0.34
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	5	0.34
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	5	0.34
(1,1168)	1:392:A:THR:HG21	1:393:A:LEU:HD11	10	0.34
(1,1168)	1:392:A:THR:HG21	1:393:A:LEU:HD12	10	0.34
(1,1168)	1:392:A:THR:HG21	1:393:A:LEU:HD13	10	0.34
(1,1168)	1:392:A:THR:HG22	1:393:A:LEU:HD11	10	0.34
(1,1168)	1:392:A:THR:HG22	1:393:A:LEU:HD12	10	0.34
(1,1168)	1:392:A:THR:HG22	1:393:A:LEU:HD13	10	0.34
(1,1168)	1:392:A:THR:HG23	1:393:A:LEU:HD11	10	0.34
(1,1168)	1:392:A:THR:HG23	1:393:A:LEU:HD12	10	0.34
(1,1168)	1:392:A:THR:HG23	1:393:A:LEU:HD13	10	0.34
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	6	0.34
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	6	0.34
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	7	0.34
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	7	0.34
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	7	0.34
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	11	0.34
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	11	0.34
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	11	0.34
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	19	0.34
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	19	0.34
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	19	0.34
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	5	0.34
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	8	0.34
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	9	0.34
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	10	0.34
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	12	0.34
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	16	0.34
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	18	0.34
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	11	0.34
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	11	0.34
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	11	0.34
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	15	0.34
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	15	0.34
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	15	0.34
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	2	0.34
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	5	0.34
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	11	0.34
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	17	0.34
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	18	0.34
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	20	0.34
(1,909)	1:340:A:MET:HG3	1:340:A:MET:HB2	15	0.34
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	8	0.34
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	13	0.34
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	2	0.34
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	4	0.34
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	8	0.34
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	9	0.34
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	10	0.34
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	12	0.34
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	15	0.34
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	16	0.34
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	2	0.34
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	9	0.34
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	7	0.34
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	8	0.34
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	11	0.34
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	13	0.34
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	14	0.34
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	16	0.34
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	14	0.34
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	10	0.34
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	10	0.34
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	10	0.34
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	6	0.34
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	6	0.34
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	6	0.34
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	6	0.34
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	6	0.34
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	6	0.34
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	6	0.34
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	6	0.34
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	6	0.34
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	8	0.34
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	8	0.34
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	8	0.34
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	1	0.34
(1,587)	1:457:A:VAL:HA	1:457:A:VAL:H	6	0.34
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	7	0.34
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	1	0.34
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	1	0.34
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	1	0.34
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	19	0.34
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	14	0.34
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	8	0.34
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	1	0.34
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	7	0.34
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	8	0.34
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	10	0.34
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	11	0.34
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	16	0.34
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	1	0.34
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	6	0.34
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	20	0.34
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	8	0.34
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	8	0.34
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	18	0.34
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	18	0.34
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	18	0.34
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	2	0.34
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	2	0.34
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	2	0.34
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	6	0.34
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	6	0.34
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	6	0.34
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	14	0.34
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	14	0.34
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	14	0.34
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	17	0.34
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	8	0.34
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	7	0.34
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	18	0.34
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	16	0.34
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	18	0.34
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	4	0.34
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	14	0.34
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	16	0.34
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	1	0.34
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	3	0.34
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	5	0.34
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	8	0.34
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	13	0.34
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	18	0.34
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	5	0.33
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	12	0.33
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	16	0.33
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	5	0.33
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	8	0.33
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	13	0.33
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	15	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	1	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	1	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	1	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	4	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	4	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	4	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	13	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	13	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	15	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	15	0.33
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	15	0.33
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	12	0.33
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	19	0.33
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	6	0.33
(1,4046)	1:397:A:ASN:HD21	1:397:A:ASN:HB2	19	0.33
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	4	0.33
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	6	0.33
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	13	0.33
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	14	0.33
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	17	0.33
(1,4024)	1:347:A:VAL:H	1:346:A:GLU:HA	13	0.33
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	16	0.33
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	20	0.33
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	2	0.33
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	7	0.33
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	13	0.33
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	5	0.33
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	15	0.33
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	20	0.33
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	5	0.33
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	20	0.33
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	16	0.33
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	18	0.33
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	3	0.33
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	9	0.33
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	12	0.33
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	17	0.33
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	20	0.33
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	7	0.33
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	16	0.33
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	7	0.33
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	6	0.33
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	16	0.33
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	11	0.33
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	7	0.33
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	7	0.33
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	7	0.33
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG11	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG12	13	0.33
(1,3724)	1:370:A:SER:H	1:369:A:VAL:HG13	13	0.33
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	3	0.33
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	5	0.33
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	6	0.33
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	8	0.33
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	12	0.33
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	14	0.33
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	15	0.33
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	16	0.33
(1,3706)	1:459:A:LYS:H	1:459:A:LYS:HA	17	0.33
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	5	0.33
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	7	0.33
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	17	0.33
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	8	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	4	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	5	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	6	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	7	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	8	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	9	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	10	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	12	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	13	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	15	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	16	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	17	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	18	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	19	0.33
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	20	0.33
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	5	0.33
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	15	0.33
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	16	0.33
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	20	0.33
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	12	0.33
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	18	0.33
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	2	0.33
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	7	0.33
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	13	0.33
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	1	0.33
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	8	0.33
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	9	0.33
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	11	0.33
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	5	0.33
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	11	0.33
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	7	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	2	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	2	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	2	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	2	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	4	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	4	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	4	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	4	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	11	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	11	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	11	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	11	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	12	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	12	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	12	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	12	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	15	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	15	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	15	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	15	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	16	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	16	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	16	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	16	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	19	0.33
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	19	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	19	0.33
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	19	0.33
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	6	0.33
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	6	0.33
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	15	0.33
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	18	0.33
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	7	0.33
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	7	0.33
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	7	0.33
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	8	0.33
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	8	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	1	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	2	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	3	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	4	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	5	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	6	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	7	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	10	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	11	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	12	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	14	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	15	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	16	0.33
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	17	0.33
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	5	0.33
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	5	0.33
(1,3316)	1:357:A:TYR:HD1	1:346:A:GLU:HB2	15	0.33
(1,3316)	1:357:A:TYR:HD2	1:346:A:GLU:HB2	15	0.33
(1,3306)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	7	0.33
(1,3299)	1:421:A:HIS:HD2	1:410:A:TRP:HZ3	5	0.33
(1,3286)	1:434:A:TRP:HH2	1:435:A:LYS:HG3	20	0.33
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	6	0.33
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	17	0.33
(1,3250)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	18	0.33
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	5	0.33
(1,3190)	1:387:A:LYS:HB3	1:387:A:LYS:H	4	0.33
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	14	0.33
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	6	0.33
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	2	0.33
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	5	0.33
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	12	0.33
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	3	0.33
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	14	0.33
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	2	0.33
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	14	0.33
(1,2972)	1:408:A:ASN:HA	1:407:A:VAL:HB	8	0.33
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	5	0.33
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	4	0.33
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	5	0.33
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	6	0.33
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	11	0.33
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	17	0.33
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	18	0.33
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	20	0.33
(1,2935)	1:346:A:GLU:HG3	1:346:A:GLU:HB3	11	0.33
(1,2935)	1:346:A:GLU:HG3	1:346:A:GLU:HB3	12	0.33
(1,2935)	1:346:A:GLU:HG3	1:346:A:GLU:HB3	19	0.33
(1,2935)	1:346:A:GLU:HG3	1:346:A:GLU:HB3	20	0.33
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	9	0.33
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	17	0.33
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	18	0.33
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	19	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	1	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	1	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	1	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	1	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	1	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	1	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	1	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	1	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	1	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	7	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	7	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	7	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	7	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	7	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	7	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	7	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	7	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	7	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	8	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	8	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	8	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	8	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	8	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	8	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	8	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	8	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	8	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	19	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	19	0.33
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	19	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	19	0.33
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	19	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	19	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	19	0.33
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	19	0.33
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	17	0.33
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	17	0.33
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	17	0.33
(1,2904)	1:437:A:ARG:HD3	1:433:A:LEU:HB3	3	0.33
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	20	0.33
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	1	0.33
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	1	0.33
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	1	0.33
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	10	0.33
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	10	0.33
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	10	0.33
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	15	0.33
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	4	0.33
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	14	0.33
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	15	0.33
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	16	0.33
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	18	0.33
(1,2809)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	20	0.33
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	20	0.33
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	13	0.33
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	16	0.33
(1,2782)	1:399:A:ASP:HA	1:399:A:ASP:HB3	19	0.33
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	20	0.33
(1,2704)	1:358:A:LYS:HD3	1:358:A:LYS:HB2	10	0.33
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	11	0.33
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	11	0.33
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	11	0.33
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	19	0.33
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	19	0.33
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	19	0.33
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	6	0.33
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	10	0.33
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	19	0.33
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	5	0.33
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	5	0.33
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	6	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	6	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	6	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	6	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	6	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	6	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	6	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	6	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	6	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	6	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	10	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	10	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	10	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	10	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	10	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	10	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	10	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	10	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	10	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	12	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	12	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	12	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	12	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	12	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	12	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	12	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	12	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	12	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	16	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	16	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	16	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	16	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	16	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	16	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	16	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	16	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	16	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	17	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	17	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	17	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	17	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	17	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	17	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	17	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	17	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	20	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	20	0.33
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	20	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	20	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	20	0.33
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	20	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	20	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	20	0.33
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	20	0.33
(1,2343)	1:401:A:THR:HG21	1:402:A:PRO:HD2	2	0.33
(1,2343)	1:401:A:THR:HG22	1:402:A:PRO:HD2	2	0.33
(1,2343)	1:401:A:THR:HG23	1:402:A:PRO:HD2	2	0.33
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	4	0.33
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	12	0.33
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	4	0.33
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	1	0.33
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	2	0.33
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	8	0.33
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	10	0.33
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	11	0.33
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	13	0.33
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	14	0.33
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	15	0.33
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	20	0.33
(1,2241)	1:435:A:LYS:HB2	1:435:A:LYS:HE3	16	0.33
(1,2230)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	16	0.33
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	5	0.33
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	5	0.33
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	5	0.33
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	9	0.33
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	9	0.33
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	9	0.33
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	15	0.33
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	15	0.33
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	15	0.33
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	19	0.33
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	19	0.33
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	18	0.33
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	12	0.33
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	12	0.33
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	12	0.33
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	3	0.33
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	3	0.33
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	3	0.33
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	12	0.33
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	12	0.33
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	12	0.33
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	8	0.33
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	8	0.33
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	8	0.33
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	10	0.33
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	10	0.33
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	10	0.33
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	11	0.33
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	11	0.33
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	11	0.33
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	14	0.33
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	14	0.33
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	14	0.33
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	20	0.33
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	20	0.33
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	20	0.33
(1,1938)	1:428:A:GLU:HG2	1:429:A:TYR:H	7	0.33
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	13	0.33
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	13	0.33
(1,1858)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	13	0.33
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	3	0.33
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	6	0.33
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	8	0.33
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	11	0.33
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	12	0.33
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	16	0.33
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	18	0.33
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	1	0.33
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	12	0.33
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	7	0.33
(1,1751)	1:399:A:ASP:HB3	1:399:A:ASP:HA	3	0.33
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	16	0.33
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	16	0.33
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	17	0.33
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	17	0.33
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	17	0.33
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	19	0.33
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	19	0.33
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	19	0.33
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	20	0.33
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	20	0.33
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	20	0.33
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	9	0.33
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	8	0.33
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	11	0.33
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	5	0.33
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	5	0.33
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	5	0.33
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	6	0.33
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	16	0.33
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	9	0.33
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	10	0.33
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	11	0.33
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	12	0.33
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	16	0.33
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	17	0.33
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	19	0.33
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	20	0.33
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	16	0.33
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	2	0.33
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	2	0.33
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	2	0.33
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	6	0.33
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	6	0.33
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	6	0.33
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	10	0.33
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	10	0.33
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	10	0.33
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	16	0.33
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	16	0.33
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	16	0.33
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	1	0.33
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	1	0.33
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	3	0.33
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	3	0.33
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	3	0.33
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	2	0.33
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	6	0.33
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	9	0.33
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	10	0.33
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	1	0.33
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	1	0.33
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	4	0.33
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	7	0.33
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	19	0.33
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	20	0.33
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	3	0.33
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	5	0.33
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	16	0.33
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	18	0.33
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	10	0.33
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	20	0.33
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	10	0.33
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	10	0.33
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	10	0.33
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	1	0.33
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	13	0.33
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	14	0.33
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	7	0.33
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	20	0.33
(1,1371)	1:399:A:ASP:HB3	1:400:A:GLY:H	6	0.33
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	5	0.33
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	19	0.33
(1,1334)	1:365:A:GLU:HG2	1:365:A:GLU:HA	7	0.33
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	16	0.33
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	11	0.33
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	11	0.33
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	11	0.33
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	20	0.33
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	20	0.33
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	20	0.33
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	1	0.33
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	19	0.33
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	3	0.33
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	8	0.33
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	10	0.33
(1,1165)	1:381:A:VAL:HG11	1:381:A:VAL:H	20	0.33
(1,1165)	1:381:A:VAL:HG12	1:381:A:VAL:H	20	0.33
(1,1165)	1:381:A:VAL:HG13	1:381:A:VAL:H	20	0.33
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	5	0.33
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	5	0.33
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	5	0.33
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	8	0.33
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	8	0.33
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	8	0.33
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	18	0.33
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	18	0.33
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	18	0.33
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	1	0.33
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	2	0.33
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	3	0.33
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	4	0.33
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	14	0.33
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	15	0.33
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	20	0.33
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	10	0.33
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	5	0.33
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	14	0.33
(1,876)	1:428:A:GLU:HB3	1:428:A:GLU:HA	20	0.33
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	3	0.33
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	4	0.33
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	7	0.33
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	10	0.33
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	15	0.33
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	16	0.33
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	18	0.33
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	6	0.33
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	1	0.33
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	19	0.33
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	4	0.33
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	15	0.33
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	20	0.33
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	20	0.33
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	20	0.33
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	20	0.33
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	20	0.33
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	20	0.33
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	20	0.33
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	20	0.33
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	5	0.33
(1,610)	1:450:A:MET:HE1	1:410:A:TRP:H	19	0.33
(1,610)	1:450:A:MET:HE2	1:410:A:TRP:H	19	0.33
(1,610)	1:450:A:MET:HE3	1:410:A:TRP:H	19	0.33
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	4	0.33
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	10	0.33
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	18	0.33
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	9	0.33
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	13	0.33
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	14	0.33
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	15	0.33
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	10	0.33
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	10	0.33
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	10	0.33
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	15	0.33
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	5	0.33
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	1	0.33
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	1	0.33
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	1	0.33
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	4	0.33
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	4	0.33
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	4	0.33
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	13	0.33
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	13	0.33
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	13	0.33
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	15	0.33
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	15	0.33
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	15	0.33
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	5	0.33
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	5	0.33
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	5	0.33
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	8	0.33
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	8	0.33
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	8	0.33
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	17	0.33
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	17	0.33
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	17	0.33
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	5	0.33
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	11	0.33
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	15	0.33
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	6	0.33
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	9	0.33
(1,211)	1:403:A:TYR:HB3	1:403:A:TYR:H	10	0.33
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	20	0.33
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	4	0.33
(1,4219)	1:352:A:GLN:H	1:352:A:GLN:HA	1	0.32
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	6	0.32
(1,4205)	1:450:A:MET:H	1:451:A:LYS:H	18	0.32
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	6	0.32
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	6	0.32
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	6	0.32
(1,4163)	1:371:A:GLY:H	1:370:A:SER:HG	19	0.32
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	9	0.32
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	5	0.32
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	20	0.32
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	1	0.32
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	2	0.32
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	10	0.32
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	16	0.32
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	12	0.32
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	12	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	4	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	5	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	9	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	10	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	11	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	14	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	15	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	16	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	17	0.32
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	19	0.32
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	12	0.32
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	12	0.32
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	12	0.32
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	4	0.32
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	12	0.32
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	17	0.32
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	11	0.32
(1,3886)	1:358:A:LYS:H	1:362:A:VAL:HA	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	2	0.32
(1,3859)	1:426:A:GLN:HE22	1:433:A:LEU:HB2	6	0.32
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	12	0.32
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	13	0.32
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	16	0.32
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	15	0.32
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	1	0.32
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	2	0.32
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	3	0.32
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	5	0.32
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	9	0.32
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	10	0.32
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	18	0.32
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	20	0.32
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	9	0.32
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	16	0.32
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	10	0.32
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	20	0.32
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	6	0.32
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	9	0.32
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	6	0.32
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	11	0.32
(1,3652)	1:438:A:GLY:H	1:438:A:GLY:HA2	14	0.32
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	8	0.32
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	9	0.32
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	9	0.32
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	9	0.32
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	4	0.32
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	6	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	4	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	5	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	9	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	10	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	11	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	14	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	15	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	16	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	17	0.32
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	19	0.32
(1,3572)	1:466:A:PHE:H	1:465:A:VAL:HA	13	0.32
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	3	0.32
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	10	0.32
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG21	19	0.32
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG22	19	0.32
(1,3510)	1:345:A:ILE:H	1:461:A:THR:HG23	19	0.32
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	10	0.32
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	11	0.32
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	11	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	1	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	1	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	1	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	1	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	3	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	3	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	3	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	3	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	5	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	5	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	5	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	5	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	6	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	6	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	6	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	6	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	7	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	7	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	7	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	7	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	8	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	8	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	8	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	8	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	9	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	9	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	9	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	9	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	10	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	10	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	10	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	10	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	13	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	13	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	13	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	14	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	14	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	14	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	14	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	17	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	17	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	17	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	17	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	18	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	18	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	18	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	18	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD1	20	0.32
(1,3406)	1:382:A:PHE:HE1	1:382:A:PHE:HD2	20	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD1	20	0.32
(1,3406)	1:382:A:PHE:HE2	1:382:A:PHE:HD2	20	0.32
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	1	0.32
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	1	0.32
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	3	0.32
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	3	0.32
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	10	0.32
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	10	0.32
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	13	0.32
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	13	0.32
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	1	0.32
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	14	0.32
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	12	0.32
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	12	0.32
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	16	0.32
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	16	0.32
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	8	0.32
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	9	0.32
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	13	0.32
(1,3325)	1:410:A:TRP:HZ2	1:410:A:TRP:HH2	20	0.32
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	1	0.32
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	1	0.32
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	1	0.32
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	16	0.32
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	16	0.32
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	16	0.32
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3198)	1:415:A:TRP:HE3	1:415:A:TRP:HB2	2	0.32
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	5	0.32
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	7	0.32
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	13	0.32
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	16	0.32
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	20	0.32
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	4	0.32
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	8	0.32
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	10	0.32
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	6	0.32
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	16	0.32
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	4	0.32
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	6	0.32
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	16	0.32
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	8	0.32
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	10	0.32
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	13	0.32
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	14	0.32
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	15	0.32
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	16	0.32
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	19	0.32
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	2	0.32
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	11	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	3	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	3	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	3	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	3	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	3	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	3	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	3	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	3	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	3	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	4	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	4	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	4	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	4	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	4	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	4	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	4	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	4	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	4	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	10	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	10	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	10	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	10	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	10	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	10	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	10	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	10	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	11	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	11	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	11	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	11	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	11	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	11	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	11	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	11	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	11	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	12	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	12	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	12	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	12	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	12	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	12	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	12	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	12	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	12	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	14	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	14	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	14	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	14	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	14	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	14	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	14	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	14	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	14	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	16	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	16	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	16	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	16	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	16	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	16	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	16	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	16	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	20	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	20	0.32
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	20	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	20	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	20	0.32
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	20	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	20	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	20	0.32
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	20	0.32
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	1	0.32
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	18	0.32
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	7	0.32
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	7	0.32
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	7	0.32
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	13	0.32
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	13	0.32
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	13	0.32
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	17	0.32
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	17	0.32
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	17	0.32
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	19	0.32
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	19	0.32
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	19	0.32
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	18	0.32
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	5	0.32
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	9	0.32
(1,2823)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	7	0.32
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	11	0.32
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	12	0.32
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	1	0.32
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	1	0.32
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	1	0.32
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	1	0.32
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	1	0.32
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	1	0.32
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	1	0.32
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	1	0.32
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	1	0.32
(1,2756)	1:452:A:GLU:HB2	1:452:A:GLU:H	7	0.32
(1,2567)	1:368:A:ILE:HD11	1:368:A:ILE:HB	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2567)	1:368:A:ILE:HD12	1:368:A:ILE:HB	13	0.32
(1,2567)	1:368:A:ILE:HD13	1:368:A:ILE:HB	13	0.32
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	2	0.32
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	12	0.32
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	8	0.32
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	14	0.32
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	18	0.32
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	1	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	2	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	2	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	4	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	4	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	7	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	7	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	9	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	9	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	15	0.32
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	15	0.32
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	10	0.32
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	10	0.32
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	10	0.32
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	12	0.32
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	12	0.32
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	12	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	1	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	1	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	1	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	1	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	1	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	1	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	1	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	1	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	1	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	3	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	3	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	3	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	3	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	3	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	3	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	3	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	3	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	9	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	9	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	9	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	9	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	9	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	9	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	9	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	9	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	9	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG21	11	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG22	11	0.32
(1,2375)	1:368:A:ILE:HD11	1:368:A:ILE:HG23	11	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG21	11	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG22	11	0.32
(1,2375)	1:368:A:ILE:HD12	1:368:A:ILE:HG23	11	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG21	11	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG22	11	0.32
(1,2375)	1:368:A:ILE:HD13	1:368:A:ILE:HG23	11	0.32
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	4	0.32
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	4	0.32
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	4	0.32
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	18	0.32
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	17	0.32
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	3	0.32
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	5	0.32
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	6	0.32
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	7	0.32
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	9	0.32
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	12	0.32
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	17	0.32
(1,2246)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	19	0.32
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	15	0.32
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	4	0.32
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	4	0.32
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	4	0.32
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	8	0.32
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	8	0.32
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	8	0.32
(1,2125)	1:407:A:VAL:HG21	1:406:A:PRO:HA	11	0.32
(1,2125)	1:407:A:VAL:HG22	1:406:A:PRO:HA	11	0.32
(1,2125)	1:407:A:VAL:HG23	1:406:A:PRO:HA	11	0.32
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	11	0.32
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	11	0.32
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	11	0.32
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	2	0.32
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	2	0.32
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	2	0.32
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	11	0.32
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	11	0.32
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	11	0.32
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	17	0.32
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	17	0.32
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	17	0.32
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	10	0.32
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	11	0.32
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	13	0.32
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	6	0.32
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	6	0.32
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	6	0.32
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	7	0.32
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	7	0.32
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	7	0.32
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	9	0.32
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	9	0.32
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	9	0.32
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	16	0.32
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	16	0.32
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	16	0.32
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	17	0.32
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	17	0.32
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	17	0.32
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	18	0.32
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	18	0.32
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	18	0.32
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	17	0.32
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	17	0.32
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	17	0.32
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	18	0.32
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	18	0.32
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	18	0.32
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	2	0.32
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	4	0.32
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	15	0.32
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	2	0.32
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	4	0.32
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	5	0.32
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	7	0.32
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	10	0.32
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	11	0.32
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	17	0.32
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	18	0.32
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	20	0.32
(1,1751)	1:399:A:ASP:HB3	1:399:A:ASP:HA	2	0.32
(1,1751)	1:399:A:ASP:HB3	1:399:A:ASP:HA	14	0.32
(1,1751)	1:399:A:ASP:HB3	1:399:A:ASP:HA	15	0.32
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	18	0.32
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	18	0.32
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	18	0.32
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	2	0.32
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	9	0.32
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	12	0.32
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	3	0.32
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	3	0.32
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	3	0.32
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	4	0.32
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	4	0.32
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	4	0.32
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	7	0.32
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	7	0.32
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	7	0.32
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	16	0.32
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	16	0.32
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	16	0.32
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	18	0.32
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	18	0.32
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	18	0.32
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	2	0.32
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	12	0.32
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	2	0.32
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	5	0.32
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	6	0.32
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	7	0.32
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	13	0.32
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:364:A:LEU:HA	1:364:A:LEU:HG	15	0.32
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD21	6	0.32
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD22	6	0.32
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD23	6	0.32
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	1	0.32
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	1	0.32
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	1	0.32
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	8	0.32
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	8	0.32
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	8	0.32
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	8	0.32
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	18	0.32
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	20	0.32
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	10	0.32
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	16	0.32
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	8	0.32
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	13	0.32
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	14	0.32
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	15	0.32
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	14	0.32
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	15	0.32
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	1	0.32
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	1	0.32
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	1	0.32
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	9	0.32
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	9	0.32
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	9	0.32
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	11	0.32
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	11	0.32
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	11	0.32
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	19	0.32
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	19	0.32
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	19	0.32
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	20	0.32
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	20	0.32
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	20	0.32
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	19	0.32
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	16	0.32
(1,1371)	1:399:A:ASP:HB3	1:400:A:GLY:H	12	0.32
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	8	0.32
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	10	0.32
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	12	0.32
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	2	0.32
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	9	0.32
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	11	0.32
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	15	0.32
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	17	0.32
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	18	0.32
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	19	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	1	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	2	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	3	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	4	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	5	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	6	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	7	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	8	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	9	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	10	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	11	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	12	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	13	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	14	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	15	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	16	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	17	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	18	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	19	0.32
(1,1313)	1:363:A:ALA:HA	1:363:A:ALA:H	20	0.32
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	12	0.32
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	12	0.32
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	12	0.32
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	15	0.32
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	15	0.32
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	15	0.32
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	17	0.32
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	17	0.32
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	17	0.32
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	19	0.32
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	19	0.32
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	19	0.32
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	8	0.32
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	8	0.32
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	1	0.32
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	2	0.32
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	7	0.32
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	9	0.32
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	13	0.32
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	15	0.32
(1,1188)	1:420:A:ILE:HG13	1:420:A:ILE:H	1	0.32
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	15	0.32
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	15	0.32
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	15	0.32
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	1	0.32
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	5	0.32
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	7	0.32
(1,1031)	1:401:A:THR:HB	1:401:A:THR:HA	7	0.32
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	10	0.32
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	10	0.32
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	10	0.32
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	10	0.32
(1,967)	1:404:A:GLU:HB3	1:405:A:SER:H	19	0.32
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	1	0.32
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	3	0.32
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	4	0.32
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	8	0.32
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	15	0.32
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	16	0.32
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	13	0.32
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	18	0.32
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	2	0.32
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	7	0.32
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	9	0.32
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	11	0.32
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	15	0.32
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	16	0.32
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	17	0.32
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	20	0.32
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	14	0.32
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	11	0.32
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	14	0.32
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	2	0.32
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	10	0.32
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	15	0.32
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	5	0.32
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	4	0.32
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	18	0.32
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	1	0.32
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	1	0.32
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	1	0.32
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	16	0.32
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	16	0.32
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	16	0.32
(1,591)	1:459:A:LYS:HE2	1:459:A:LYS:HB2	11	0.32
(1,591)	1:459:A:LYS:HE2	1:459:A:LYS:HB2	20	0.32
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	8	0.32
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	14	0.32
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	18	0.32
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	3	0.32
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	9	0.32
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	17	0.32
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	12	0.32
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	12	0.32
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	12	0.32
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	2	0.32
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	3	0.32
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	5	0.32
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	7	0.32
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	11	0.32
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	12	0.32
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	16	0.32
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	17	0.32
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	18	0.32
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	19	0.32
(1,428)	1:381:A:VAL:HB	1:381:A:VAL:H	7	0.32
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	17	0.32
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	3	0.32
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	4	0.32
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	6	0.32
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	15	0.32
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	17	0.32
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	10	0.32
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	6	0.32
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	6	0.32
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	17	0.32
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	10	0.32
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	10	0.32
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	8	0.32
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	1	0.32
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	7	0.32
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	7	0.32
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	10	0.32
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	15	0.32
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	16	0.32
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	20	0.32
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	1	0.32
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	4	0.32
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	16	0.32
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	4	0.32
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	6	0.32
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	9	0.32
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	14	0.32
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	19	0.32
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	19	0.32
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	7	0.31
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	7	0.31
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	7	0.31
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	3	0.31
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	4	0.31
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	6	0.31
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	9	0.31
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	13	0.31
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	20	0.31
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	20	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	1	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	2	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	3	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	5	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	6	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	7	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	9	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	10	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	11	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	12	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	13	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	17	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	18	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	19	0.31
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	20	0.31
(1,4099)	1:346:A:GLU:H	1:345:A:ILE:HA	15	0.31
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	6	0.31
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	11	0.31
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	1	0.31
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	3	0.31
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	4	0.31
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	6	0.31
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	9	0.31
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	13	0.31
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	20	0.31
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	19	0.31
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	6	0.31
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	17	0.31
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	1	0.31
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	13	0.31
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	15	0.31
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	2	0.31
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	2	0.31
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	2	0.31
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	6	0.31
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	6	0.31
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	6	0.31
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	17	0.31
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	17	0.31
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	17	0.31
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	18	0.31
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	14	0.31
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	13	0.31
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	3	0.31
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	6	0.31
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	7	0.31
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	9	0.31
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	17	0.31
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	10	0.31
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	11	0.31
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	1	0.31
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	2	0.31
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	6	0.31
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	8	0.31
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	12	0.31
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	17	0.31
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	4	0.31
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	13	0.31
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	15	0.31
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	1	0.31
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	6	0.31
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	13	0.31
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	17	0.31
(1,3726)	1:432:A:ASP:H	1:432:A:ASP:HB2	19	0.31
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	6	0.31
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	6	0.31
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	6	0.31
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	9	0.31
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	9	0.31
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	9	0.31
(1,3694)	1:358:A:LYS:H	1:361:A:LYS:HA	20	0.31
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	18	0.31
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	5	0.31
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	16	0.31
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	17	0.31
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	3	0.31
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	4	0.31
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	15	0.31
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	2	0.31
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	3	0.31
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	18	0.31
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	19	0.31
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	20	0.31
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	4	0.31
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	1	0.31
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	1	0.31
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	11	0.31
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	12	0.31
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	16	0.31
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	20	0.31
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	3	0.31
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	3	0.31
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	7	0.31
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	10	0.31
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	10	0.31
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	17	0.31
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	17	0.31
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	12	0.31
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	12	0.31
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	17	0.31
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	17	0.31
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	20	0.31
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	20	0.31
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	10	0.31
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	15	0.31
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	4	0.31
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	7	0.31
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	8	0.31
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	9	0.31
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	16	0.31
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	20	0.31
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	11	0.31
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	11	0.31
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	1	0.31
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	1	0.31
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	1	0.31
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	2	0.31
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	2	0.31
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	2	0.31
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	19	0.31
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	19	0.31
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	19	0.31
(1,3198)	1:415:A:TRP:HE3	1:415:A:TRP:HB2	8	0.31
(1,3198)	1:415:A:TRP:HE3	1:415:A:TRP:HB2	11	0.31
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	15	0.31
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	15	0.31
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	15	0.31
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	3	0.31
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	9	0.31
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	13	0.31
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	14	0.31
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	15	0.31
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	18	0.31
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	10	0.31
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	17	0.31
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	9	0.31
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	1	0.31
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	12	0.31
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	4	0.31
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	10	0.31
(1,2912)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	15	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	2	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	2	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	2	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	2	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	2	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	2	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	2	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	2	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	2	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	5	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	5	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	5	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	5	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	5	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	5	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	5	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	5	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	5	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	9	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	9	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	9	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	9	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	9	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	9	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	9	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	9	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	9	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	13	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	13	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	13	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	13	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	13	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	13	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	13	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	13	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	17	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	17	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	17	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	17	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	17	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	17	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	17	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	17	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	17	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	18	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	18	0.31
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	18	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	18	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	18	0.31
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	18	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	18	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	18	0.31
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	18	0.31
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	7	0.31
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	4	0.31
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	5	0.31
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	2	0.31
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	2	0.31
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	2	0.31
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	6	0.31
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	6	0.31
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	6	0.31
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	8	0.31
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	8	0.31
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	8	0.31
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	11	0.31
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	11	0.31
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	11	0.31
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	18	0.31
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	18	0.31
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	18	0.31
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	1	0.31
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	6	0.31
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	11	0.31
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	20	0.31
(1,2785)	1:437:A:ARG:HD2	1:433:A:LEU:HA	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2782)	1:399:A:ASP:HA	1:399:A:ASP:HB3	1	0.31
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	19	0.31
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	19	0.31
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	19	0.31
(1,2515)	1:349:A:LEU:HD21	1:370:A:SER:HB2	16	0.31
(1,2515)	1:349:A:LEU:HD22	1:370:A:SER:HB2	16	0.31
(1,2515)	1:349:A:LEU:HD23	1:370:A:SER:HB2	16	0.31
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	13	0.31
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	2	0.31
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	8	0.31
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	11	0.31
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	12	0.31
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	13	0.31
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	17	0.31
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	18	0.31
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	20	0.31
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	6	0.31
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	6	0.31
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	11	0.31
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	11	0.31
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	13	0.31
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	13	0.31
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	10	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	1	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	1	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	1	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	6	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	6	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	6	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	10	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	10	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	10	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	11	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	11	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	11	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	15	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	15	0.31
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	15	0.31
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	6	0.31
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	9	0.31
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	20	0.31
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	19	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	4	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	4	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	4	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	6	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	6	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	6	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	8	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	8	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	8	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	10	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	10	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	10	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	16	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	16	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	16	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	20	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	20	0.31
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	20	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	1	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	2	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	3	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	4	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	5	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	6	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	7	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	8	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	9	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	12	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	14	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	15	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	16	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	17	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	18	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	19	0.31
(1,2054)	1:373:A:PRO:HG2	1:373:A:PRO:HB3	20	0.31
(1,2033)	1:408:A:ASN:HA	1:409:A:TYR:H	14	0.31
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	10	0.31
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	10	0.31
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	10	0.31
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	2	0.31
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	2	0.31
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	3	0.31
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	3	0.31
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	3	0.31
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	15	0.31
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	15	0.31
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	15	0.31
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	19	0.31
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	19	0.31
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	19	0.31
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	6	0.31
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	5	0.31
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	17	0.31
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	3	0.31
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	6	0.31
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	8	0.31
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	9	0.31
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	13	0.31
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	14	0.31
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	15	0.31
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	16	0.31
(1,1824)	1:451:A:LYS:HD3	1:451:A:LYS:HG2	19	0.31
(1,1751)	1:399:A:ASP:HB3	1:399:A:ASP:HA	9	0.31
(1,1723)	1:348:A:ASP:HB3	1:355:A:TRP:HZ3	15	0.31
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	20	0.31
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	3	0.31
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	5	0.31
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	10	0.31
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	14	0.31
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	1	0.31
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	1	0.31
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	1	0.31
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	10	0.31
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	10	0.31
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	10	0.31
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	15	0.31
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	15	0.31
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	15	0.31
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG21	18	0.31
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG22	18	0.31
(1,1623)	1:420:A:ILE:HG13	1:420:A:ILE:HG23	18	0.31
(1,1616)	1:387:A:LYS:HE2	1:387:A:LYS:HB2	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:387:A:LYS:HE2	1:387:A:LYS:HB2	11	0.31
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	18	0.31
(1,1613)	1:462:A:PRO:HB2	1:462:A:PRO:HD3	19	0.31
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	18	0.31
(1,1500)	1:420:A:ILE:HG21	1:421:A:HIS:H	19	0.31
(1,1500)	1:420:A:ILE:HG22	1:421:A:HIS:H	19	0.31
(1,1500)	1:420:A:ILE:HG23	1:421:A:HIS:H	19	0.31
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	2	0.31
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	2	0.31
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	2	0.31
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	13	0.31
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	13	0.31
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	13	0.31
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	14	0.31
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	14	0.31
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	14	0.31
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	18	0.31
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	18	0.31
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	18	0.31
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	1	0.31
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	4	0.31
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	5	0.31
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	7	0.31
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	13	0.31
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	14	0.31
(1,1497)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	17	0.31
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	7	0.31
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	20	0.31
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	17	0.31
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	3	0.31
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	3	0.31
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	3	0.31
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	4	0.31
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	4	0.31
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	4	0.31
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	12	0.31
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	12	0.31
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	12	0.31
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	17	0.31
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	17	0.31
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	17	0.31
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	6	0.31
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	9	0.31
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	16	0.31
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	17	0.31
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	6	0.31
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	8	0.31
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	13	0.31
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	13	0.31
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	13	0.31
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	18	0.31
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	18	0.31
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	18	0.31
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	1	0.31
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	1	0.31
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	1	0.31
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	3	0.31
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	3	0.31
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	3	0.31
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	4	0.31
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	4	0.31
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	4	0.31
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	14	0.31
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	14	0.31
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	14	0.31
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	18	0.31
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	18	0.31
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	18	0.31
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	18	0.31
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	7	0.31
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	4	0.31
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	19	0.31
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	1	0.31
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	1	0.31
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	1	0.31
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	3	0.31
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	3	0.31
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	3	0.31
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	12	0.31
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	12	0.31
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	12	0.31
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	3	0.31
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	13	0.31
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	16	0.31
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	18	0.31
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	19	0.31
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	3	0.31
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	6	0.31
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	15	0.31
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	4	0.31
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	4	0.31
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	4	0.31
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	18	0.31
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	18	0.31
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	18	0.31
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	18	0.31
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	18	0.31
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	18	0.31
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	18	0.31
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	18	0.31
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	18	0.31
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	19	0.31
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	6	0.31
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	18	0.31
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	6	0.31
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	7	0.31
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	1	0.31
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB1	18	0.31
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB2	18	0.31
(1,629)	1:343:A:THR:HG21	1:363:A:ALA:HB3	18	0.31
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB1	18	0.31
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB2	18	0.31
(1,629)	1:343:A:THR:HG22	1:363:A:ALA:HB3	18	0.31
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB1	18	0.31
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB2	18	0.31
(1,629)	1:343:A:THR:HG23	1:363:A:ALA:HB3	18	0.31
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	19	0.31
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	19	0.31
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	19	0.31
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	13	0.31
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	1	0.31
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	8	0.31
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	12	0.31
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	16	0.31
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	17	0.31
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	19	0.31
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	20	0.31
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	1	0.31
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	4	0.31
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	6	0.31
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	8	0.31
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	10	0.31
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	19	0.31
(1,506)	1:364:A:LEU:HB2	1:363:A:ALA:HA	20	0.31
(1,457)	1:459:A:LYS:HB3	1:459:A:LYS:HE2	8	0.31
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	13	0.31
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	13	0.31
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	13	0.31
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	4	0.31
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	20	0.31
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	12	0.31
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	19	0.31
(1,393)	1:353:A:HIS:HB2	1:353:A:HIS:H	20	0.31
(1,355)	1:447:A:PRO:HD2	1:446:A:PRO:HA	7	0.31
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	7	0.31
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	7	0.31
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	7	0.31
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	3	0.31
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	3	0.31
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	3	0.31
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	9	0.31
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	9	0.31
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	9	0.31
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	2	0.31
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	6	0.31
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	14	0.31
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	20	0.31
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	19	0.31
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	5	0.31
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	17	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	2	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	3	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	4	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	5	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	8	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	10	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	11	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	12	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	13	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	14	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	15	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	16	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	17	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	18	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	19	0.31
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	20	0.31
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	19	0.31
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	4	0.31
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	14	0.31
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	14	0.31
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	14	0.31
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	2	0.31
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	5	0.31
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	6	0.31
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	9	0.31
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	13	0.31
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	19	0.31
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	1	0.31
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	2	0.31
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	7	0.31
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	18	0.31
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	3	0.31
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	6	0.31
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	15	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	1	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	2	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	3	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	5	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	7	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	8	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	11	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	12	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	15	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	16	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	17	0.31
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	20	0.31
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	4	0.31
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	10	0.3
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	10	0.3
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	10	0.3
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	20	0.3
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	20	0.3
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	20	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	1	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	2	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	5	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	7	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	8	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	10	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	11	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	12	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	14	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	17	0.3
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	18	0.3
(1,4175)	1:368:A:ILE:H	1:367:A:ASP:HB2	16	0.3
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	8	0.3
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	4	0.3
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	8	0.3
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	14	0.3
(1,4165)	1:354:A:MET:H	1:354:A:MET:HA	15	0.3
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	7	0.3
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG21	14	0.3
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG22	14	0.3
(1,4107)	1:449:A:VAL:H	1:449:A:VAL:HG23	14	0.3
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	6	0.3
(1,4105)	1:400:A:GLY:H	1:399:A:ASP:H	14	0.3
(1,4094)	1:448:A:SER:H	1:448:A:SER:HB3	14	0.3
(1,4081)	1:426:A:GLN:HE21	1:437:A:ARG:HB3	18	0.3
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	9	0.3
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	16	0.3
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	17	0.3
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	18	0.3
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	16	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	1	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	2	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	5	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	8	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	10	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	11	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	12	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	14	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	17	0.3
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	18	0.3
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	11	0.3
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	15	0.3
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	19	0.3
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	10	0.3
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	11	0.3
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	12	0.3
(1,3964)	1:352:A:GLN:H	1:351:A:ASN:H	20	0.3
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	14	0.3
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	16	0.3
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	20	0.3
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	7	0.3
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	7	0.3
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	7	0.3
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	15	0.3
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	15	0.3
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	15	0.3
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	9	0.3
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	13	0.3
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	14	0.3
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	10	0.3
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	7	0.3
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	15	0.3
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	19	0.3
(1,3872)	1:421:A:HIS:H	1:420:A:ILE:HA	14	0.3
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	12	0.3
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	15	0.3
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	9	0.3
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	10	0.3
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	11	0.3
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	11	0.3
(1,3810)	1:441:A:GLY:H	1:443:A:ILE:H	10	0.3
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	3	0.3
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	9	0.3
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	10	0.3
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	14	0.3
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	7	0.3
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	8	0.3
(1,3761)	1:348:A:ASP:H	1:347:A:VAL:HA	14	0.3
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	4	0.3
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	7	0.3
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	8	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	1	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	1	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	1	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	5	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	5	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	5	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	8	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	8	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	8	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	14	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	14	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	14	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	15	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	15	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	15	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	19	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	19	0.3
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	19	0.3
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	11	0.3
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	3	0.3
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	11	0.3
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	16	0.3
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	7	0.3
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	11	0.3
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	13	0.3
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	1	0.3
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	8	0.3
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	16	0.3
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	17	0.3
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	12	0.3
(1,3573)	1:351:A:ASN:H	1:352:A:GLN:H	20	0.3
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	2	0.3
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	6	0.3
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	8	0.3
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	19	0.3
(1,3558)	1:444:A:ASN:H	1:444:A:ASN:HB2	14	0.3
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	6	0.3
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	6	0.3
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	8	0.3
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	8	0.3
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	19	0.3
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	19	0.3
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	6	0.3
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	4	0.3
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	4	0.3
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	5	0.3
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	5	0.3
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	7	0.3
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	7	0.3
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	8	0.3
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	8	0.3
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	9	0.3
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	9	0.3
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	11	0.3
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	11	0.3
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	18	0.3
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	18	0.3
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	19	0.3
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	19	0.3
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	5	0.3
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	11	0.3
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	12	0.3
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	20	0.3
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	20	0.3
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	3	0.3
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	3	0.3
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	3	0.3
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	9	0.3
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	9	0.3
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	9	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	4	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	4	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	4	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	8	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	8	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	11	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	11	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	11	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	15	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	15	0.3
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	15	0.3
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	11	0.3
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	11	0.3
(1,3186)	1:420:A:ILE:HD11	1:420:A:ILE:H	5	0.3
(1,3186)	1:420:A:ILE:HD12	1:420:A:ILE:H	5	0.3
(1,3186)	1:420:A:ILE:HD13	1:420:A:ILE:H	5	0.3
(1,3162)	1:377:A:THR:HA	1:377:A:THR:HB	15	0.3
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	13	0.3
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	11	0.3
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	20	0.3
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	1	0.3
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	2	0.3
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	11	0.3
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	18	0.3
(1,3051)	1:339:A:HIS:HB2	1:340:A:MET:HG3	18	0.3
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	13	0.3
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	17	0.3
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	1	0.3
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	7	0.3
(1,2936)	1:452:A:GLU:HB2	1:452:A:GLU:HG3	7	0.3
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	6	0.3
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	6	0.3
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	6	0.3
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	6	0.3
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	6	0.3
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	6	0.3
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	6	0.3
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	6	0.3
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	6	0.3
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE1	15	0.3
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE2	15	0.3
(1,2911)	1:363:A:ALA:HB1	1:456:A:MET:HE3	15	0.3
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE1	15	0.3
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE2	15	0.3
(1,2911)	1:363:A:ALA:HB2	1:456:A:MET:HE3	15	0.3
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE1	15	0.3
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE2	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	1:363:A:ALA:HB3	1:456:A:MET:HE3	15	0.3
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	11	0.3
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	11	0.3
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	11	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	2	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	2	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	2	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	3	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	3	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	3	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	4	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	4	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	4	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	5	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	5	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	5	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	11	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	11	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	11	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	12	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	12	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	12	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	14	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	14	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	14	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	16	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	16	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	16	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	17	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	17	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	17	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	19	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	19	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	19	0.3
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	20	0.3
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	20	0.3
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	20	0.3
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	10	0.3
(1,2858)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	12	0.3
(1,2858)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	12	0.3
(1,2858)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	12	0.3
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	1	0.3
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	7	0.3
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	3	0.3
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	7	0.3
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	7	0.3
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	7	0.3
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	14	0.3
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	14	0.3
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	14	0.3
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	7	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	2	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	3	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	4	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	5	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	9	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	12	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	13	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	15	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	16	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	17	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	18	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	19	0.3
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	20	0.3
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	3	0.3
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	19	0.3
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	19	0.3
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	19	0.3
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	1	0.3
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	7	0.3
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	17	0.3
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	3	0.3
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	5	0.3
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	6	0.3
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	16	0.3
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	14	0.3
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	14	0.3
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	16	0.3
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	16	0.3
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	17	0.3
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	17	0.3
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	18	0.3
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	11	0.3
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	11	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	3	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	3	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	3	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	4	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	4	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	4	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	5	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	5	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	5	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	7	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	7	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	7	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	8	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	8	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	8	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	9	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	9	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	9	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	14	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	14	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	14	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	17	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	17	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	17	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	18	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	18	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	18	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	20	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	20	0.3
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	20	0.3
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	4	0.3
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	5	0.3
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	6	0.3
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	8	0.3
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	11	0.3
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	20	0.3
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	9	0.3
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	14	0.3
(1,2251)	1:340:A:MET:HB2	1:341:A:GLU:H	4	0.3
(1,2206)	1:451:A:LYS:HG2	1:451:A:LYS:HE2	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:451:A:LYS:HG2	1:451:A:LYS:HE2	18	0.3
(1,2148)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	14	0.3
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	18	0.3
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	19	0.3
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	2	0.3
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	11	0.3
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	13	0.3
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	17	0.3
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	20	0.3
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	5	0.3
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	5	0.3
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	5	0.3
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	7	0.3
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	7	0.3
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	7	0.3
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	14	0.3
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	14	0.3
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	14	0.3
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	8	0.3
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	8	0.3
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	8	0.3
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	13	0.3
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	13	0.3
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	13	0.3
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	6	0.3
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	6	0.3
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	6	0.3
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	9	0.3
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	9	0.3
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	9	0.3
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	11	0.3
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	11	0.3
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	11	0.3
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	12	0.3
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	12	0.3
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	12	0.3
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	19	0.3
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	19	0.3
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	19	0.3
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	19	0.3
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	20	0.3
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	20	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	1	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	7	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	8	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	11	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	13	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	16	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	17	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	18	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	19	0.3
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	20	0.3
(1,1841)	1:361:A:LYS:HE2	1:361:A:LYS:HG2	10	0.3
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	19	0.3
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	20	0.3
(1,1714)	1:464:A:LEU:HD11	1:464:A:LEU:H	6	0.3
(1,1714)	1:464:A:LEU:HD12	1:464:A:LEU:H	6	0.3
(1,1714)	1:464:A:LEU:HD13	1:464:A:LEU:H	6	0.3
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	17	0.3
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	6	0.3
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	17	0.3
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	2	0.3
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	2	0.3
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	2	0.3
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	8	0.3
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	8	0.3
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	8	0.3
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	14	0.3
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	14	0.3
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	14	0.3
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	19	0.3
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	19	0.3
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	19	0.3
(1,1616)	1:387:A:LYS:HE2	1:387:A:LYS:HB2	12	0.3
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	13	0.3
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	14	0.3
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	20	0.3
(1,1512)	1:341:A:GLU:HG3	1:342:A:ASP:H	16	0.3
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	7	0.3
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	7	0.3
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	7	0.3
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	8	0.3
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	8	0.3
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	10	0.3
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	10	0.3
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	10	0.3
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	16	0.3
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	16	0.3
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	16	0.3
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	20	0.3
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	20	0.3
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	20	0.3
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	19	0.3
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	1	0.3
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	2	0.3
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	14	0.3
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	16	0.3
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	3	0.3
(1,1438)	1:378:A:PRO:HB2	1:377:A:THR:HA	13	0.3
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	2	0.3
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	2	0.3
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	2	0.3
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	16	0.3
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	16	0.3
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	16	0.3
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	18	0.3
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	18	0.3
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	18	0.3
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	5	0.3
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	2	0.3
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	13	0.3
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	14	0.3
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	20	0.3
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	9	0.3
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	9	0.3
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	9	0.3
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	2	0.3
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	2	0.3
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	2	0.3
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	9	0.3
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	9	0.3
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	9	0.3
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	10	0.3
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	10	0.3
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	13	0.3
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	13	0.3
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	13	0.3
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	1	0.3
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	13	0.3
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	17	0.3
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	1	0.3
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	6	0.3
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	14	0.3
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	20	0.3
(1,1190)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	18	0.3
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	16	0.3
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	4	0.3
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	4	0.3
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	4	0.3
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	16	0.3
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	16	0.3
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	16	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	2	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	4	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	9	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	10	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	11	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	12	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	14	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	15	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	17	0.3
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	20	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	1	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	2	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	4	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	5	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	7	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	8	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	9	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	10	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	11	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	12	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	13	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	14	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	17	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	18	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	19	0.3
(1,1036)	1:349:A:LEU:HB2	1:349:A:LEU:HA	20	0.3
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	2	0.3
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	5	0.3
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	9	0.3
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	11	0.3
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	17	0.3
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	17	0.3
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	17	0.3
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	16	0.3
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	16	0.3
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	16	0.3
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	16	0.3
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	16	0.3
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	16	0.3
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	16	0.3
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	16	0.3
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	16	0.3
(1,951)	1:453:A:LEU:HA	1:454:A:PHE:HB3	7	0.3
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	5	0.3
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	9	0.3
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	16	0.3
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	12	0.3
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	13	0.3
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	13	0.3
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	1	0.3
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	13	0.3
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	15	0.3
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	17	0.3
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	15	0.3
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	15	0.3
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	15	0.3
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	15	0.3
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	15	0.3
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	15	0.3
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	4	0.3
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	4	0.3
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	4	0.3
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	8	0.3
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	8	0.3
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	11	0.3
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	11	0.3
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	11	0.3
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	15	0.3
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	15	0.3
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	15	0.3
(1,591)	1:459:A:LYS:HE2	1:459:A:LYS:HB2	4	0.3
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	1	0.3
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	7	0.3
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	17	0.3
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	2	0.3
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	5	0.3
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	6	0.3
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	7	0.3
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	15	0.3
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	12	0.3
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	20	0.3
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	17	0.3
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	11	0.3
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	11	0.3
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	11	0.3
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	19	0.3
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	19	0.3
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	19	0.3
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	11	0.3
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	2	0.3
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	5	0.3
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	5	0.3
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	19	0.3
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	18	0.3
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	18	0.3
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	18	0.3
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	10	0.3
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	10	0.3
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	10	0.3
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	20	0.3
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	20	0.3
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	20	0.3
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	10	0.3
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	10	0.3
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	6	0.3
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	14	0.3
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	19	0.3
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	8	0.3
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	9	0.3
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	18	0.3
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	12	0.3
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	18	0.3
(1,152)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	9	0.3
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	14	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	3	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	7	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	8	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	10	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	11	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	12	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	14	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	15	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	17	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	18	0.3
(1,48)	1:366:A:THR:HB	1:366:A:THR:HA	20	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	3	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	4	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	5	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	8	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	9	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	10	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	11	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	12	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	13	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	14	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	15	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	16	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	17	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	19	0.3
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	20	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	1	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	2	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	4	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	5	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	7	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	9	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	10	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	11	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	12	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	13	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	14	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	16	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	17	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	18	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	19	0.3
(1,32)	1:349:A:LEU:HA	1:349:A:LEU:HB2	20	0.3
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	10	0.3
(1,28)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	13	0.3
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	16	0.3
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	3	0.29
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	3	0.29
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	3	0.29
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	9	0.29
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	9	0.29
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	9	0.29
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	15	0.29
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	13	0.29
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	13	0.29
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	20	0.29
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	1	0.29
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	3	0.29
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	6	0.29
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	7	0.29
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	10	0.29
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	12	0.29
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	13	0.29
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	20	0.29
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	6	0.29
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	19	0.29
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	15	0.29
(1,3993)	1:428:A:GLU:H	1:427:A:PRO:HG2	13	0.29
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	2	0.29
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	9	0.29
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	15	0.29
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	4	0.29
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	2	0.29
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	4	0.29
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	5	0.29
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	6	0.29
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	7	0.29
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	9	0.29
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	19	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	1	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	1	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	1	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	11	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	11	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	11	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	13	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	13	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	13	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	14	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	14	0.29
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	14	0.29
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	18	0.29
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	17	0.29
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	14	0.29
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	16	0.29
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	17	0.29
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	8	0.29
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	14	0.29
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	8	0.29
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	8	0.29
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	8	0.29
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	4	0.29
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	15	0.29
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	5	0.29
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	11	0.29
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	19	0.29
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	20	0.29
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	14	0.29
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	4	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	4	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	4	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	4	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	10	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	10	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	11	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	11	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	11	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	12	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	12	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	12	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	13	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	13	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	13	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	17	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	17	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	17	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	18	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	18	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	18	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	20	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	20	0.29
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	20	0.29
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	16	0.29
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	1	0.29
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	7	0.29
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	4	0.29
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	19	0.29
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	5	0.29
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	8	0.29
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	17	0.29
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	6	0.29
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	7	0.29
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	11	0.29
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	18	0.29
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	7	0.29
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	9	0.29
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	13	0.29
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	17	0.29
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	18	0.29
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	4	0.29
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	14	0.29
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	12	0.29
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	14	0.29
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	14	0.29
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	1	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	2	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	2	0.29
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	3	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	3	0.29
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	5	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	5	0.29
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	9	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	9	0.29
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	13	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	13	0.29
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	14	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	14	0.29
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	15	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	15	0.29
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	16	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	16	0.29
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	18	0.29
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	18	0.29
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	14	0.29
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	12	0.29
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	12	0.29
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	14	0.29
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	14	0.29
(1,3388)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	15	0.29
(1,3388)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	15	0.29
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	3	0.29
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	6	0.29
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	10	0.29
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	13	0.29
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	17	0.29
(1,3307)	1:415:A:TRP:HE3	1:415:A:TRP:HB3	20	0.29
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	2	0.29
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	2	0.29
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	2	0.29
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	6	0.29
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	6	0.29
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	6	0.29
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	20	0.29
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	20	0.29
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	20	0.29
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	4	0.29
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	6	0.29
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	6	0.29
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	6	0.29
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	12	0.29
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	12	0.29
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	17	0.29
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	17	0.29
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	19	0.29
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	19	0.29
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	20	0.29
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	20	0.29
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	14	0.29
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	15	0.29
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	4	0.29
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	16	0.29
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	8	0.29
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	13	0.29
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	3	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	2	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	3	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	4	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	5	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	8	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	9	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	10	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	11	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	12	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	13	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	14	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	15	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	16	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	17	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	18	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	19	0.29
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	20	0.29
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	5	0.29
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	10	0.29
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	10	0.29
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	10	0.29
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	1	0.29
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	1	0.29
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	6	0.29
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	6	0.29
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	6	0.29
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	7	0.29
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	7	0.29
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	7	0.29
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	8	0.29
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	8	0.29
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	8	0.29
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	9	0.29
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	9	0.29
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	9	0.29
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	10	0.29
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	10	0.29
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	10	0.29
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	13	0.29
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	13	0.29
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	13	0.29
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	15	0.29
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	15	0.29
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	15	0.29
(1,2884)	1:366:A:THR:HG21	1:366:A:THR:HB	18	0.29
(1,2884)	1:366:A:THR:HG22	1:366:A:THR:HB	18	0.29
(1,2884)	1:366:A:THR:HG23	1:366:A:THR:HB	18	0.29
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	16	0.29
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	3	0.29
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	7	0.29
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	10	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	2	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	3	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	4	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	5	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	8	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	9	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	10	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	11	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	12	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	13	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	14	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	15	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	16	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	18	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	19	0.29
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	20	0.29
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	1	0.29
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	1	0.29
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	1	0.29
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	15	0.29
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	15	0.29
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	15	0.29
(1,2673)	1:376:A:PRO:HB3	1:377:A:THR:HA	2	0.29
(1,2600)	1:437:A:ARG:HD3	1:437:A:ARG:HE	5	0.29
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	1	0.29
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	6	0.29
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	7	0.29
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	8	0.29
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	10	0.29
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	11	0.29
(1,2594)	1:356:A:TYR:HA	1:356:A:TYR:HB3	14	0.29
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	5	0.29
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	5	0.29
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	5	0.29
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	6	0.29
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	6	0.29
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	6	0.29
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	11	0.29
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	11	0.29
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	11	0.29
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	12	0.29
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	12	0.29
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	12	0.29
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	16	0.29
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	16	0.29
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	16	0.29
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	18	0.29
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	18	0.29
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	18	0.29
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	1	0.29
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	7	0.29
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	8	0.29
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	8	0.29
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	8	0.29
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	15	0.29
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	15	0.29
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	12	0.29
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	16	0.29
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	4	0.29
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	14	0.29
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD1	8	0.29
(1,2454)	1:356:A:TYR:HA	1:356:A:TYR:HD2	8	0.29
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	17	0.29
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	4	0.29
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	15	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	2	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	2	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	2	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	13	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	13	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	13	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	16	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	16	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	16	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG21	19	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG22	19	0.29
(1,2407)	1:443:A:ILE:HA	1:443:A:ILE:HG23	19	0.29
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	1	0.29
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	3	0.29
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	7	0.29
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	13	0.29
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	15	0.29
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	18	0.29
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	3	0.29
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	3	0.29
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	3	0.29
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	16	0.29
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	16	0.29
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	16	0.29
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	18	0.29
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	18	0.29
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	18	0.29
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	19	0.29
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	19	0.29
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	19	0.29
(1,2350)	1:448:A:SER:HA	1:447:A:PRO:HB2	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	5	0.29
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	13	0.29
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	14	0.29
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	5	0.29
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	8	0.29
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	15	0.29
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	20	0.29
(1,2206)	1:451:A:LYS:HG2	1:451:A:LYS:HE2	10	0.29
(1,2206)	1:451:A:LYS:HG2	1:451:A:LYS:HE2	20	0.29
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	8	0.29
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	13	0.29
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	15	0.29
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	9	0.29
(1,2086)	1:459:A:LYS:HB3	1:459:A:LYS:HE3	2	0.29
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	3	0.29
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	3	0.29
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	3	0.29
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	10	0.29
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	10	0.29
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	10	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	1	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	1	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	1	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	3	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	3	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	3	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	9	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	9	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	9	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	13	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	13	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	13	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	18	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	18	0.29
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	18	0.29
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	2	0.29
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	2	0.29
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	2	0.29
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	11	0.29
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	11	0.29
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	11	0.29
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	14	0.29
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	14	0.29
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	7	0.29
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	7	0.29
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	7	0.29
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	8	0.29
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	8	0.29
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	8	0.29
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	11	0.29
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	11	0.29
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	11	0.29
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	12	0.29
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	12	0.29
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	12	0.29
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	15	0.29
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	15	0.29
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	15	0.29
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	16	0.29
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	16	0.29
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	16	0.29
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	17	0.29
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	17	0.29
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	17	0.29
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	18	0.29
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	18	0.29
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	18	0.29
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	2	0.29
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	3	0.29
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	4	0.29
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	5	0.29
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	9	0.29
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	10	0.29
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	12	0.29
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	14	0.29
(1,1912)	1:464:A:LEU:HB2	1:464:A:LEU:HA	15	0.29
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	5	0.29
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	5	0.29
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	5	0.29
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	14	0.29
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	14	0.29
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	14	0.29
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	19	0.29
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	19	0.29
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	11	0.29
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	12	0.29
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	9	0.29
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	9	0.29
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	9	0.29
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	11	0.29
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	11	0.29
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	11	0.29
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	12	0.29
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	12	0.29
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	12	0.29
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	13	0.29
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	13	0.29
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	13	0.29
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	17	0.29
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	17	0.29
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	17	0.29
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	20	0.29
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	20	0.29
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	20	0.29
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	7	0.29
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	1	0.29
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	7	0.29
(1,1616)	1:387:A:LYS:HE2	1:387:A:LYS:HB2	8	0.29
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	5	0.29
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	19	0.29
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD21	5	0.29
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD22	5	0.29
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD23	5	0.29
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	8	0.29
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	9	0.29
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	9	0.29
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	9	0.29
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	11	0.29
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	11	0.29
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	11	0.29
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	15	0.29
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	15	0.29
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	15	0.29
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	17	0.29
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	17	0.29
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	13	0.29
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	17	0.29
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	18	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	3	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	4	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	5	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	6	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	7	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	8	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	9	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	10	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	11	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	12	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	13	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	15	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	17	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	18	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	19	0.29
(1,1492)	1:451:A:LYS:HA	1:451:A:LYS:HB2	20	0.29
(1,1447)	1:451:A:LYS:HA	1:454:A:PHE:H	10	0.29
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	6	0.29
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	11	0.29
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	8	0.29
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	8	0.29
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	8	0.29
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	13	0.29
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	13	0.29
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	13	0.29
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	14	0.29
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	14	0.29
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	14	0.29
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	8	0.29
(1,1340)	1:340:A:MET:HB3	1:340:A:MET:HG2	1	0.29
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	7	0.29
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	13	0.29
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	10	0.29
(1,1304)	1:399:A:ASP:HB2	1:399:A:ASP:H	17	0.29
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	1	0.29
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	2	0.29
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	4	0.29
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	5	0.29
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	6	0.29
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	8	0.29
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	14	0.29
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	15	0.29
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	7	0.29
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	10	0.29
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	11	0.29
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	13	0.29
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	17	0.29
(1,1174)	1:341:A:GLU:HB3	1:341:A:GLU:HA	5	0.29
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	12	0.29
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	18	0.29
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	17	0.29
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	17	0.29
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	17	0.29
(1,1054)	1:434:A:TRP:HB2	1:434:A:TRP:HZ2	6	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	1	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	3	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	6	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	7	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	8	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	10	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	12	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	13	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	15	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	17	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	18	0.29
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	19	0.29
(1,1009)	1:437:A:ARG:HD3	1:428:A:GLU:HB3	13	0.29
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	7	0.29
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	7	0.29
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	7	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	2	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	2	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	2	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	2	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	2	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	2	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	2	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	2	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	4	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	4	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	4	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	4	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	4	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	4	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	4	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	4	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	4	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	5	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	5	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	5	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	5	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	5	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	5	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	5	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	5	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	5	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	6	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	6	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	6	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	6	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	6	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	6	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	6	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	6	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	6	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	7	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	7	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	7	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	7	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	7	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	7	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	7	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	7	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	7	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	13	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	13	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	13	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	13	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	13	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	13	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	13	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	13	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	14	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	14	0.29
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	14	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	14	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	14	0.29
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	14	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	14	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	14	0.29
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	14	0.29
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	3	0.29
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	6	0.29
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	17	0.29
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	18	0.29
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	1	0.29
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	5	0.29
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	10	0.29
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	19	0.29
(1,779)	1:448:A:SER:HB2	1:449:A:VAL:H	2	0.29
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	12	0.29
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	3	0.29
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	4	0.29
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	9	0.29
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	19	0.29
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	7	0.29
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	1	0.29
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	1	0.29
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	1	0.29
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	19	0.29
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	2	0.29
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	2	0.29
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	2	0.29
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	6	0.29
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	6	0.29
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	6	0.29
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	20	0.29
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	20	0.29
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	20	0.29
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	16	0.29
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	10	0.29
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	4	0.29
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	10	0.29
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	11	0.29
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	18	0.29
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	5	0.29
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	8	0.29
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	13	0.29
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	1	0.29
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	3	0.29
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	6	0.29
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	7	0.29
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	7	0.29
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	7	0.29
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	11	0.29
(1,364)	1:393:A:LEU:HD21	1:392:A:THR:HA	10	0.29
(1,364)	1:393:A:LEU:HD22	1:392:A:THR:HA	10	0.29
(1,364)	1:393:A:LEU:HD23	1:392:A:THR:HA	10	0.29
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	3	0.29
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	3	0.29
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	3	0.29
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	9	0.29
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	9	0.29
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	9	0.29
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	7	0.29
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	7	0.29
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	7	0.29
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	16	0.29
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	16	0.29
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	16	0.29
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	11	0.29
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	3	0.29
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	10	0.29
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	11	0.29
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	7	0.29
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	17	0.29
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	10	0.29
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	7	0.29
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	11	0.29
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	11	0.29
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:341:A:GLU:HA	1:341:A:GLU:HG3	5	0.29
(1,121)	1:404:A:GLU:HB2	1:404:A:GLU:H	11	0.29
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	7	0.29
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	7	0.29
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	7	0.29
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	15	0.29
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	15	0.29
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	15	0.29
(1,33)	1:402:A:PRO:HG2	1:402:A:PRO:HB2	6	0.29
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	5	0.28
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	5	0.28
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	5	0.28
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	16	0.28
(1,4182)	1:452:A:GLU:H	1:453:A:LEU:H	19	0.28
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	6	0.28
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	15	0.28
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	15	0.28
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	18	0.28
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	2	0.28
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	4	0.28
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	19	0.28
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	11	0.28
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	19	0.28
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	2	0.28
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	16	0.28
(1,4037)	1:453:A:LEU:H	1:452:A:GLU:H	19	0.28
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	5	0.28
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	14	0.28
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	19	0.28
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	1	0.28
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	10	0.28
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	11	0.28
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	12	0.28
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	17	0.28
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	18	0.28
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	3	0.28
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	3	0.28
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	3	0.28
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	5	0.28
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	5	0.28
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	5	0.28
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	12	0.28
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	1	0.28
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	2	0.28
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	4	0.28
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	6	0.28
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	8	0.28
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	9	0.28
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	14	0.28
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	16	0.28
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	8	0.28
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	16	0.28
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	19	0.28
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	20	0.28
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	7	0.28
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	18	0.28
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	3	0.28
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	14	0.28
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	2	0.28
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	2	0.28
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	2	0.28
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	3	0.28
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	3	0.28
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	3	0.28
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	16	0.28
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	16	0.28
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	16	0.28
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	1	0.28
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	2	0.28
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	13	0.28
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	14	0.28
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	17	0.28
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	2	0.28
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	9	0.28
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	9	0.28
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	5	0.28
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	9	0.28
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	10	0.28
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	15	0.28
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	16	0.28
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	3	0.28
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	12	0.28
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	14	0.28
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	17	0.28
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	1	0.28
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	6	0.28
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	8	0.28
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	19	0.28
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	19	0.28
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	19	0.28
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	5	0.28
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	4	0.28
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	4	0.28
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	15	0.28
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	15	0.28
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	4	0.28
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	4	0.28
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	7	0.28
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	7	0.28
(1,3456)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	10	0.28
(1,3456)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	10	0.28
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	15	0.28
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	20	0.28
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	9	0.28
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	9	0.28
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	17	0.28
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	17	0.28
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	11	0.28
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	12	0.28
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	12	0.28
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	12	0.28
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	17	0.28
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	17	0.28
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	17	0.28
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	2	0.28
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	9	0.28
(1,3136)	1:464:A:LEU:HB3	1:346:A:GLU:HA	10	0.28
(1,3098)	1:401:A:THR:HA	1:402:A:PRO:HD3	7	0.28
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	4	0.28
(1,3044)	1:387:A:LYS:HE2	1:387:A:LYS:HB3	1	0.28
(1,3031)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	6	0.28
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	1	0.28
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	7	0.28
(1,2907)	1:407:A:VAL:HG11	1:422:A:ASP:HA	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2907)	1:407:A:VAL:HG12	1:422:A:ASP:HA	14	0.28
(1,2907)	1:407:A:VAL:HG13	1:422:A:ASP:HA	14	0.28
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	2	0.28
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	9	0.28
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	19	0.28
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	6	0.28
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	12	0.28
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	13	0.28
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	13	0.28
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	14	0.28
(1,2777)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	6	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	2	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	2	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	2	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	3	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	3	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	3	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	4	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	4	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	4	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	5	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	5	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	5	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	6	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	6	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	6	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	7	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	7	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	7	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	8	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	8	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	8	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	9	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	9	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	9	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	10	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	10	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	10	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	11	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	11	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	11	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	12	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	12	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	13	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	13	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	13	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	14	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	14	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	14	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	16	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	16	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	16	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	17	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	17	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	17	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	18	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	18	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	18	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	19	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	19	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	19	0.28
(1,2772)	1:463:A:VAL:HG11	1:463:A:VAL:HB	20	0.28
(1,2772)	1:463:A:VAL:HG12	1:463:A:VAL:HB	20	0.28
(1,2772)	1:463:A:VAL:HG13	1:463:A:VAL:HB	20	0.28
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	8	0.28
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	8	0.28
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	8	0.28
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	17	0.28
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	17	0.28
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	17	0.28
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	16	0.28
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	6	0.28
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	7	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	5	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	5	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	5	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	7	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	7	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	7	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	8	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	8	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	8	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	10	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	10	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	12	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	12	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	12	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	20	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	20	0.28
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	20	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	1	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	1	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	1	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	2	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	2	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	2	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	3	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	3	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	3	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	4	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	4	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	4	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	7	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	7	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	7	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	8	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	8	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	8	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	9	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	9	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	9	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	10	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	10	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	10	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	13	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	13	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	13	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	14	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	14	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	14	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	15	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	15	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	15	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	17	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	17	0.28
(1,2544)	1:384:A:VAL:HG11	1:384:A:VAL:HB	20	0.28
(1,2544)	1:384:A:VAL:HG12	1:384:A:VAL:HB	20	0.28
(1,2544)	1:384:A:VAL:HG13	1:384:A:VAL:HB	20	0.28
(1,2534)	1:396:A:THR:HB	1:395:A:GLY:HA2	19	0.28
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	19	0.28
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	9	0.28
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	19	0.28
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	15	0.28
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	3	0.28
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	1	0.28
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	7	0.28
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	7	0.28
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	7	0.28
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	16	0.28
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	16	0.28
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	16	0.28
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	9	0.28
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	10	0.28
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	12	0.28
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	16	0.28
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	17	0.28
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	1	0.28
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	1	0.28
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	1	0.28
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	8	0.28
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	8	0.28
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	8	0.28
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	13	0.28
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	13	0.28
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	13	0.28
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	15	0.28
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	15	0.28
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	15	0.28
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	1	0.28
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	4	0.28
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	17	0.28
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	19	0.28
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	16	0.28
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	18	0.28
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	2	0.28
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	3	0.28
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	9	0.28
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	19	0.28
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	6	0.28
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	10	0.28
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	12	0.28
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	15	0.28
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	2	0.28
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	2	0.28
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	2	0.28
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	13	0.28
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	13	0.28
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	13	0.28
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	15	0.28
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	15	0.28
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	15	0.28
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	17	0.28
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	4	0.28
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	4	0.28
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	4	0.28
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	6	0.28
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	6	0.28
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	6	0.28
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	11	0.28
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	14	0.28
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	1	0.28
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	1	0.28
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	1	0.28
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	4	0.28
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	4	0.28
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	4	0.28
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	10	0.28
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	10	0.28
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	10	0.28
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	19	0.28
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	14	0.28
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	20	0.28
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	4	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	1	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	1	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	2	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	2	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	2	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	3	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	3	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	3	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	4	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	4	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	4	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	6	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	6	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	6	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	7	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	7	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	7	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	8	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	8	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	8	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	9	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	9	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	9	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	10	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	10	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	10	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	11	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	11	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	11	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	12	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	12	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	12	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	13	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	13	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	13	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	15	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	15	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	15	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	16	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	16	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	16	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	17	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	17	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	18	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	18	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	18	0.28
(1,1715)	1:443:A:ILE:HD11	1:443:A:ILE:HG13	20	0.28
(1,1715)	1:443:A:ILE:HD12	1:443:A:ILE:HG13	20	0.28
(1,1715)	1:443:A:ILE:HD13	1:443:A:ILE:HG13	20	0.28
(1,1690)	1:346:A:GLU:HA	1:346:A:GLU:HG2	16	0.28
(1,1687)	1:432:A:ASP:HA	1:434:A:TRP:HE1	15	0.28
(1,1676)	1:457:A:VAL:HG11	1:453:A:LEU:HA	6	0.28
(1,1676)	1:457:A:VAL:HG12	1:453:A:LEU:HA	6	0.28
(1,1676)	1:457:A:VAL:HG13	1:453:A:LEU:HA	6	0.28
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	12	0.28
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	3	0.28
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	3	0.28
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	3	0.28
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	14	0.28
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	14	0.28
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	14	0.28
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	18	0.28
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	18	0.28
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	18	0.28
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	16	0.28
(1,1632)	1:395:A:GLY:HA2	1:396:A:THR:HB	19	0.28
(1,1616)	1:387:A:LYS:HE2	1:387:A:LYS:HB2	10	0.28
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	2	0.28
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	9	0.28
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	10	0.28
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	13	0.28
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	15	0.28
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	18	0.28
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	7	0.28
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	20	0.28
(1,1512)	1:341:A:GLU:HG3	1:342:A:ASP:H	7	0.28
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	6	0.28
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	6	0.28
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	6	0.28
(1,1498)	1:411:A:MET:HE1	1:454:A:PHE:H	19	0.28
(1,1498)	1:411:A:MET:HE2	1:454:A:PHE:H	19	0.28
(1,1498)	1:411:A:MET:HE3	1:454:A:PHE:H	19	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	1	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	2	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	4	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	5	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	6	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	7	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	8	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	9	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	11	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	12	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	16	0.28
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	20	0.28
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	19	0.28
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	4	0.28
(1,1444)	1:390:A:ASP:HA	1:391:A:ALA:H	15	0.28
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	6	0.28
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	6	0.28
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	6	0.28
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	14	0.28
(1,1327)	1:373:A:PRO:HB3	1:374:A:THR:HA	10	0.28
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	7	0.28
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	9	0.28
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	10	0.28
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	11	0.28
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	12	0.28
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	16	0.28
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	18	0.28
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	20	0.28
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	12	0.28
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	3	0.28
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	5	0.28
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	9	0.28
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	12	0.28
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	16	0.28
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	19	0.28
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	1	0.28
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	3	0.28
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	9	0.28
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	9	0.28
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	9	0.28
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	4	0.28
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	20	0.28
(1,1013)	1:407:A:VAL:HG21	1:393:A:LEU:HG	10	0.28
(1,1013)	1:407:A:VAL:HG22	1:393:A:LEU:HG	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:407:A:VAL:HG23	1:393:A:LEU:HG	10	0.28
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	12	0.28
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	12	0.28
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	12	0.28
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	20	0.28
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	20	0.28
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	20	0.28
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	5	0.28
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	5	0.28
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	5	0.28
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	7	0.28
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	7	0.28
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	7	0.28
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	10	0.28
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	10	0.28
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	10	0.28
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	13	0.28
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	13	0.28
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	13	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	3	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	3	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	3	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	3	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	3	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	3	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	3	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	3	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	3	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	8	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	8	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	8	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	8	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	8	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	8	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	8	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	8	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	8	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	9	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	9	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	9	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	9	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	9	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	9	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	9	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	9	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	10	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	10	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	10	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	10	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	10	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	10	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	10	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	10	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	10	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	15	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	15	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	15	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	15	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	15	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	15	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	15	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	15	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	15	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	17	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	17	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	17	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	17	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	17	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	17	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	17	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	17	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	17	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	19	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	19	0.28
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	19	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	19	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	19	0.28
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	19	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	19	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	19	0.28
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	19	0.28
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	2	0.28
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	10	0.28
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	11	0.28
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	12	0.28
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	16	0.28
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	19	0.28
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	12	0.28
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	15	0.28
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	19	0.28
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	19	0.28
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	19	0.28
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	3	0.28
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	4	0.28
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	19	0.28
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	3	0.28
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	4	0.28
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	5	0.28
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	6	0.28
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	11	0.28
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	16	0.28
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	17	0.28
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	8	0.28
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	12	0.28
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	20	0.28
(1,779)	1:448:A:SER:HB2	1:449:A:VAL:H	1	0.28
(1,779)	1:448:A:SER:HB2	1:449:A:VAL:H	3	0.28
(1,779)	1:448:A:SER:HB2	1:449:A:VAL:H	4	0.28
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	16	0.28
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	9	0.28
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	1	0.28
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	2	0.28
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	6	0.28
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	8	0.28
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	9	0.28
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	1	0.28
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	2	0.28
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	3	0.28
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	6	0.28
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	8	0.28
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	10	0.28
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	11	0.28
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	13	0.28
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	15	0.28
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	20	0.28
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	16	0.28
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	16	0.28
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	16	0.28
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	13	0.28
(1,591)	1:459:A:LYS:HE2	1:459:A:LYS:HB2	2	0.28
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	9	0.28
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	19	0.28
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	20	0.28
(1,567)	1:408:A:ASN:HA	1:408:A:ASN:HB3	14	0.28
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	3	0.28
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	6	0.28
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	7	0.28
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	14	0.28
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	5	0.28
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	10	0.28
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	20	0.28
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	3	0.28
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	3	0.28
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	3	0.28
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	14	0.28
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	14	0.28
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	14	0.28
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	6	0.28
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	8	0.28
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	9	0.28
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	10	0.28
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	12	0.28
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	18	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	1	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	1	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	1	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	3	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	3	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	3	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	4	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	4	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	4	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	9	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	9	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	16	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	16	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	16	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	19	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	19	0.28
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	19	0.28
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	7	0.28
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	5	0.28
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	5	0.28
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	5	0.28
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	16	0.28
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	9	0.28
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	4	0.28
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	9	0.28
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	17	0.28
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	5	0.28
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	1	0.28
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	6	0.28
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	11	0.28
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	19	0.28
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	20	0.28
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	4	0.28
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	5	0.28
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	6	0.28
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	8	0.28
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	10	0.28
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	12	0.28
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	13	0.28
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	17	0.28
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	20	0.28
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	3	0.28
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	6	0.28
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	6	0.28
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	6	0.28
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	16	0.28
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	16	0.28
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	16	0.28
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	5	0.28
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	5	0.28
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	2	0.28
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	2	0.28
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	3	0.28
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	3	0.28
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	3	0.28
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	6	0.28
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	6	0.28
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	6	0.28
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	13	0.28
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	13	0.28
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	13	0.28
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	18	0.28
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	18	0.28
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	18	0.28
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	6	0.28
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	15	0.28
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	17	0.28
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	12	0.27
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	2	0.27
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	4	0.27
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	9	0.27
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	14	0.27
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	16	0.27
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	2	0.27
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	8	0.27
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	9	0.27
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	5	0.27
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	8	0.27
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	14	0.27
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	7	0.27
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	4	0.27
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	9	0.27
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	15	0.27
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	3	0.27
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	7	0.27
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	8	0.27
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	13	0.27
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	18	0.27
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	1	0.27
(1,3959)	1:379:A:ALA:H	1:378:A:PRO:HA	8	0.27
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	4	0.27
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	4	0.27
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	4	0.27
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	10	0.27
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	10	0.27
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	18	0.27
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	18	0.27
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	18	0.27
(1,3953)	1:437:A:ARG:H	1:436:A:THR:H	7	0.27
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	16	0.27
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	10	0.27
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	1	0.27
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	4	0.27
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	19	0.27
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	6	0.27
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	9	0.27
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	3	0.27
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	5	0.27
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	7	0.27
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	10	0.27
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	11	0.27
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	18	0.27
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	20	0.27
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	18	0.27
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	15	0.27
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	15	0.27
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	15	0.27
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	5	0.27
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	5	0.27
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	5	0.27
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	1	0.27
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	7	0.27
(1,3811)	1:441:A:GLY:H	1:441:A:GLY:HA3	14	0.27
(1,3776)	1:387:A:LYS:H	1:386:A:ASN:HA	16	0.27
(1,3771)	1:426:A:GLN:H	1:426:A:GLN:HB2	9	0.27
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	1	0.27
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	18	0.27
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	5	0.27
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	12	0.27
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	15	0.27
(1,3726)	1:432:A:ASP:H	1:432:A:ASP:HB2	1	0.27
(1,3726)	1:432:A:ASP:H	1:432:A:ASP:HB2	13	0.27
(1,3726)	1:432:A:ASP:H	1:432:A:ASP:HB2	16	0.27
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	15	0.27
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD21	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD22	7	0.27
(1,3697)	1:453:A:LEU:H	1:364:A:LEU:HD23	7	0.27
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	12	0.27
(1,3618)	1:463:A:VAL:H	1:462:A:PRO:HB2	18	0.27
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	14	0.27
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	1	0.27
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	2	0.27
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	9	0.27
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	14	0.27
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	15	0.27
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	3	0.27
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	12	0.27
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	16	0.27
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	7	0.27
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	3	0.27
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	4	0.27
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	15	0.27
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	15	0.27
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	18	0.27
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	2	0.27
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	12	0.27
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	12	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	2	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	3	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	7	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	9	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	10	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	11	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	12	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	14	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	17	0.27
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	18	0.27
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	2	0.27
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	6	0.27
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	6	0.27
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	6	0.27
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	15	0.27
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	15	0.27
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	15	0.27
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	18	0.27
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	18	0.27
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	12	0.27
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	12	0.27
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	12	0.27
(1,3230)	1:454:A:PHE:HE1	1:389:A:GLU:HG3	19	0.27
(1,3230)	1:454:A:PHE:HE2	1:389:A:GLU:HG3	19	0.27
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	14	0.27
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	10	0.27
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	10	0.27
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	16	0.27
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	16	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	2	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	3	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	4	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	5	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	7	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	8	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	9	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	10	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	13	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	14	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	15	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	16	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	18	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	19	0.27
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	20	0.27
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	18	0.27
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	7	0.27
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	1	0.27
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	1	0.27
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	1	0.27
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	3	0.27
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	3	0.27
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	3	0.27
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	5	0.27
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	5	0.27
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	5	0.27
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	11	0.27
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	11	0.27
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	11	0.27
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	14	0.27
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	14	0.27
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	15	0.27
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	15	0.27
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	15	0.27
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	19	0.27
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	19	0.27
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	19	0.27
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	20	0.27
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	20	0.27
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	20	0.27
(1,2910)	1:407:A:VAL:HG11	1:408:A:ASN:H	14	0.27
(1,2910)	1:407:A:VAL:HG12	1:408:A:ASN:H	14	0.27
(1,2910)	1:407:A:VAL:HG13	1:408:A:ASN:H	14	0.27
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	4	0.27
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	10	0.27
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	18	0.27
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	1	0.27
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	1	0.27
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	1	0.27
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	18	0.27
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	18	0.27
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	18	0.27
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	15	0.27
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	2	0.27
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	19	0.27
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	19	0.27
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	19	0.27
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	19	0.27
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	19	0.27
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	19	0.27
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	19	0.27
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	19	0.27
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	19	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	1	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	1	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	1	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	2	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	2	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	2	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	3	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	3	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	3	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	4	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	4	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	5	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	5	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	5	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	6	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	6	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	6	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	7	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	7	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	7	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	9	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	9	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	9	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	10	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	10	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	10	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	11	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	11	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	11	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	12	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	12	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	12	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	13	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	13	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	13	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	14	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	14	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	14	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	16	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	16	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	16	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	18	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	18	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	18	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	19	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	19	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	19	0.27
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	20	0.27
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	20	0.27
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	20	0.27
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	5	0.27
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	5	0.27
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	19	0.27
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	19	0.27
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	19	0.27
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	16	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	1	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	1	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	1	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	2	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	2	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	2	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	3	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	3	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	3	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	4	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	4	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	4	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	6	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	6	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	6	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	9	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	9	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	9	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	11	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	11	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	11	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	13	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	13	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	13	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	14	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	14	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	14	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	15	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	15	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	15	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	16	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	16	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	16	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	17	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	17	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	18	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	18	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	18	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG21	19	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG22	19	0.27
(1,2582)	1:374:A:THR:HB	1:374:A:THR:HG23	19	0.27
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	3	0.27
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	3	0.27
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	3	0.27
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	20	0.27
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	20	0.27
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	20	0.27
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	3	0.27
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	6	0.27
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	15	0.27
(1,2480)	1:455:A:GLY:HA3	1:456:A:MET:H	9	0.27
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	4	0.27
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	11	0.27
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	9	0.27
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	4	0.27
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	6	0.27
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	12	0.27
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	14	0.27
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	19	0.27
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	5	0.27
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	5	0.27
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	5	0.27
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	19	0.27
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	19	0.27
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	19	0.27
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	19	0.27
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	2	0.27
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	2	0.27
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	2	0.27
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	6	0.27
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	6	0.27
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	6	0.27
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	9	0.27
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	9	0.27
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	9	0.27
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	10	0.27
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	10	0.27
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	14	0.27
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	14	0.27
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	14	0.27
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	17	0.27
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	17	0.27
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	17	0.27
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	8	0.27
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	15	0.27
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	18	0.27
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	20	0.27
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	13	0.27
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	6	0.27
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	13	0.27
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	16	0.27
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	19	0.27
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	7	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	4	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	5	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	7	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	10	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	11	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	12	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	14	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	16	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	17	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	18	0.27
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	20	0.27
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	11	0.27
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	7	0.27
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	8	0.27
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	14	0.27
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	15	0.27
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	15	0.27
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	15	0.27
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	5	0.27
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	5	0.27
(1,2064)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	5	0.27
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	18	0.27
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	18	0.27
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	18	0.27
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	4	0.27
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	7	0.27
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	16	0.27
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	18	0.27
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	2	0.27
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	2	0.27
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	2	0.27
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	3	0.27
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	3	0.27
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	3	0.27
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	5	0.27
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	5	0.27
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	5	0.27
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	9	0.27
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	9	0.27
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	9	0.27
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	13	0.27
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	13	0.27
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	13	0.27
(1,1957)	1:464:A:LEU:HD21	1:464:A:LEU:HB3	14	0.27
(1,1957)	1:464:A:LEU:HD22	1:464:A:LEU:HB3	14	0.27
(1,1957)	1:464:A:LEU:HD23	1:464:A:LEU:HB3	14	0.27
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	19	0.27
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	19	0.27
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	19	0.27
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	8	0.27
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	10	0.27
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	15	0.27
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	1	0.27
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	2	0.27
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	3	0.27
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	6	0.27
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	8	0.27
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	9	0.27
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	16	0.27
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	18	0.27
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	19	0.27
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	20	0.27
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	6	0.27
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	10	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	1	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	1	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	5	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	5	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	5	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	6	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	6	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	6	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	9	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	9	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	9	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	10	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	10	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	10	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	11	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	11	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	11	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	17	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	17	0.27
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	17	0.27
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	3	0.27
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	4	0.27
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	7	0.27
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	8	0.27
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	14	0.27
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD21	11	0.27
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD22	11	0.27
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD23	11	0.27
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD21	19	0.27
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD22	19	0.27
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD23	19	0.27
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	20	0.27
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	4	0.27
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	6	0.27
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	10	0.27
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	15	0.27
(1,1512)	1:341:A:GLU:HG3	1:342:A:ASP:H	13	0.27
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	14	0.27
(1,1496)	1:393:A:LEU:HA	1:394:A:LYS:HB3	15	0.27
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	2	0.27
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	9	0.27
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	11	0.27
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	7	0.27
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	7	0.27
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	14	0.27
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	14	0.27
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	14	0.27
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	20	0.27
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	20	0.27
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	20	0.27
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	17	0.27
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	7	0.27
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	7	0.27
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	7	0.27
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	8	0.27
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	8	0.27
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	8	0.27
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	6	0.27
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	9	0.27
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	16	0.27
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	19	0.27
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	2	0.27
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	4	0.27
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG21	7	0.27
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG22	7	0.27
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG23	7	0.27
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	13	0.27
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	14	0.27
(1,1019)	1:452:A:GLU:HA	1:451:A:LYS:HB3	16	0.27
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	8	0.27
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	8	0.27
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	8	0.27
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	2	0.27
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	2	0.27
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	2	0.27
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	6	0.27
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	6	0.27
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	6	0.27
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	14	0.27
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	14	0.27
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	14	0.27
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	11	0.27
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	11	0.27
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	11	0.27
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	11	0.27
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	11	0.27
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	11	0.27
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	11	0.27
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	11	0.27
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	12	0.27
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	12	0.27
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	12	0.27
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	12	0.27
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	12	0.27
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	12	0.27
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	12	0.27
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	12	0.27
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	12	0.27
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	1	0.27
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	8	0.27
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	14	0.27
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	15	0.27
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	20	0.27
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	3	0.27
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	12	0.27
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	12	0.27
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	12	0.27
(1,884)	1:373:A:PRO:HG3	1:373:A:PRO:HA	14	0.27
(1,856)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	8	0.27
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	1	0.27
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	9	0.27
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	14	0.27
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	15	0.27
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	20	0.27
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	5	0.27
(1,779)	1:448:A:SER:HB2	1:449:A:VAL:H	12	0.27
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	7	0.27
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	19	0.27
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	6	0.27
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	3	0.27
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	12	0.27
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	18	0.27
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	4	0.27
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	5	0.27
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	9	0.27
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	12	0.27
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	16	0.27
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	17	0.27
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	18	0.27
(1,705)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	19	0.27
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	4	0.27
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	4	0.27
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	4	0.27
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	4	0.27
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	4	0.27
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	4	0.27
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	13	0.27
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	13	0.27
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	13	0.27
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	13	0.27
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	13	0.27
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	13	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	3	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	3	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	3	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	9	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	9	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	9	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	17	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	17	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	17	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	20	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	20	0.27
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	20	0.27
(1,654)	1:428:A:GLU:HA	1:428:A:GLU:HB3	18	0.27
(1,643)	1:428:A:GLU:HG3	1:428:A:GLU:HA	9	0.27
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	20	0.27
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	12	0.27
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	12	0.27
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	12	0.27
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	19	0.27
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	19	0.27
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	19	0.27
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	19	0.27
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	19	0.27
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	19	0.27
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	19	0.27
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	19	0.27
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	3	0.27
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	6	0.27
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	15	0.27
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	9	0.27
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	16	0.27
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	18	0.27
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	11	0.27
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	11	0.27
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	11	0.27
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	10	0.27
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	12	0.27
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	16	0.27
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	18	0.27
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	2	0.27
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	4	0.27
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	8	0.27
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	11	0.27
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	12	0.27
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	14	0.27
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	19	0.27
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	1	0.27
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	1	0.27
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	1	0.27
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	2	0.27
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	2	0.27
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	2	0.27
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	6	0.27
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	6	0.27
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	6	0.27
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	7	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	7	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	7	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	7	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	10	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	10	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	10	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	17	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	17	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	20	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	20	0.27
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	20	0.27
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	13	0.27
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	8	0.27
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	6	0.27
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	6	0.27
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	6	0.27
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	12	0.27
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	12	0.27
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	12	0.27
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	18	0.27
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	18	0.27
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	18	0.27
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	11	0.27
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	3	0.27
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	8	0.27
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	1	0.27
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	2	0.27
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	9	0.27
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	15	0.27
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	16	0.27
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	18	0.27
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	19	0.27
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	1	0.27
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	1	0.27
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	1	0.27
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	2	0.27
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	2	0.27
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	2	0.27
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	4	0.27
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	4	0.27
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	4	0.27
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	5	0.27
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	5	0.27
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	5	0.27
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	7	0.27
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	7	0.27
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	7	0.27
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	10	0.27
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	10	0.27
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	13	0.27
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	13	0.27
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	13	0.27
(1,165)	1:437:A:ARG:HB2	1:426:A:GLN:HE22	3	0.27
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	7	0.27
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	7	0.27
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	8	0.27
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	8	0.27
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	11	0.27
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	11	0.27
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	14	0.27
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	14	0.27
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	1	0.27
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	1	0.27
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	1	0.27
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	5	0.27
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	5	0.27
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	5	0.27
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	9	0.27
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	9	0.27
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	9	0.27
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	10	0.27
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	10	0.27
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	10	0.27
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	11	0.27
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	11	0.27
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	11	0.27
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	17	0.27
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	17	0.27
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	17	0.27
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	19	0.27
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	19	0.27
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	19	0.27
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	20	0.27
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	20	0.27
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	20	0.27
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	8	0.27
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	11	0.26
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	11	0.26
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	11	0.26
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	17	0.26
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	17	0.26
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG21	19	0.26
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG22	19	0.26
(1,4191)	1:408:A:ASN:H	1:407:A:VAL:HG23	19	0.26
(1,4175)	1:368:A:ILE:H	1:367:A:ASP:HB2	4	0.26
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	2	0.26
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	4	0.26
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	9	0.26
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	18	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	1	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	3	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	5	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	6	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	7	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	8	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	11	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	12	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	17	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	18	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	19	0.26
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	20	0.26
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	1	0.26
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	16	0.26
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	19	0.26
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	14	0.26
(1,4080)	1:391:A:ALA:H	1:390:A:ASP:HB2	15	0.26
(1,4073)	1:433:A:LEU:H	1:433:A:LEU:HB2	5	0.26
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	5	0.26
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	1	0.26
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	2	0.26
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	3	0.26
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	5	0.26
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	8	0.26
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	14	0.26
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	16	0.26
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	18	0.26
(1,4026)	1:435:A:LYS:H	1:436:A:THR:H	5	0.26
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	4	0.26
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	8	0.26
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	8	0.26
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	8	0.26
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	20	0.26
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	11	0.26
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	18	0.26
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	12	0.26
(1,3877)	1:380:A:GLY:H	1:380:A:GLY:HA2	17	0.26
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	1	0.26
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	2	0.26
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	6	0.26
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	11	0.26
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	9	0.26
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	16	0.26
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	19	0.26
(1,3618)	1:463:A:VAL:H	1:462:A:PRO:HB2	19	0.26
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	1	0.26
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	19	0.26
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	13	0.26
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	9	0.26
(1,3564)	1:388:A:GLU:H	1:387:A:LYS:HA	16	0.26
(1,3563)	1:458:A:GLU:H	1:457:A:VAL:HA	14	0.26
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	1	0.26
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	3	0.26
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	6	0.26
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	12	0.26
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	17	0.26
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	8	0.26
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	8	0.26
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	12	0.26
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	16	0.26
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	20	0.26
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	1	0.26
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	4	0.26
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	5	0.26
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	8	0.26
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	16	0.26
(1,3370)	1:466:A:PHE:HE1	1:464:A:LEU:HB2	19	0.26
(1,3370)	1:466:A:PHE:HE2	1:464:A:LEU:HB2	19	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	1	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	2	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	3	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	4	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	5	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	7	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	8	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	9	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	10	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	11	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	12	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	13	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	15	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	16	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	17	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	18	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	19	0.26
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	20	0.26
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	9	0.26
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	9	0.26
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	9	0.26
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	10	0.26
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	10	0.26
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	10	0.26
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	13	0.26
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	13	0.26
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	13	0.26
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	12	0.26
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	16	0.26
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	20	0.26
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	16	0.26
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	16	0.26
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	16	0.26
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	14	0.26
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	4	0.26
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	4	0.26
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	15	0.26
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	15	0.26
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	7	0.26
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	14	0.26
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	19	0.26
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	1	0.26
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	6	0.26
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	11	0.26
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	12	0.26
(1,3132)	1:453:A:LEU:HA	1:453:A:LEU:HB3	17	0.26
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	9	0.26
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	3	0.26
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	10	0.26
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	12	0.26
(1,2964)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	18	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	2	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	2	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	2	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	4	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	4	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	4	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	6	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	6	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	6	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	7	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	7	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	7	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	8	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	8	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	8	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	9	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	9	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	9	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	10	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	10	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	10	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	12	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	12	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	12	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	13	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	13	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	13	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	16	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	16	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	16	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	17	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	17	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	17	0.26
(1,2943)	1:345:A:ILE:HG21	1:345:A:ILE:HB	18	0.26
(1,2943)	1:345:A:ILE:HG22	1:345:A:ILE:HB	18	0.26
(1,2943)	1:345:A:ILE:HG23	1:345:A:ILE:HB	18	0.26
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	15	0.26
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	5	0.26
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	5	0.26
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	5	0.26
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	7	0.26
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	6	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	4	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	4	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	4	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	4	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	4	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	4	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	4	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	4	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	4	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	6	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	6	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	6	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	6	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	6	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	6	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	6	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	6	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	6	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	8	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	8	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	8	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	8	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	8	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	8	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	8	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	8	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	8	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	13	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	13	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	13	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	13	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	13	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	13	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	13	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	13	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	20	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	20	0.26
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	20	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	20	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	20	0.26
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	20	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	20	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	20	0.26
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	20	0.26
(1,2761)	1:379:A:ALA:HB1	1:379:A:ALA:HA	15	0.26
(1,2761)	1:379:A:ALA:HB2	1:379:A:ALA:HA	15	0.26
(1,2761)	1:379:A:ALA:HB3	1:379:A:ALA:HA	15	0.26
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	12	0.26
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	18	0.26
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	18	0.26
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	18	0.26
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	2	0.26
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	5	0.26
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	12	0.26
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	16	0.26
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	19	0.26
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	20	0.26
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	6	0.26
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	10	0.26
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	12	0.26
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	1	0.26
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	2	0.26
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	4	0.26
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	9	0.26
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	10	0.26
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	11	0.26
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	15	0.26
(1,2515)	1:349:A:LEU:HD21	1:370:A:SER:HB2	20	0.26
(1,2515)	1:349:A:LEU:HD22	1:370:A:SER:HB2	20	0.26
(1,2515)	1:349:A:LEU:HD23	1:370:A:SER:HB2	20	0.26
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	13	0.26
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	13	0.26
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	13	0.26
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	4	0.26
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	5	0.26
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	3	0.26
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	15	0.26
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	20	0.26
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	9	0.26
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	9	0.26
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	9	0.26
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	19	0.26
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	5	0.26
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	5	0.26
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	5	0.26
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	7	0.26
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	7	0.26
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	7	0.26
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	12	0.26
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	12	0.26
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	12	0.26
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	2	0.26
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	6	0.26
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	7	0.26
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	10	0.26
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	12	0.26
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	10	0.26
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	12	0.26
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	5	0.26
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	7	0.26
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	8	0.26
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	17	0.26
(1,2127)	1:451:A:LYS:HA	1:451:A:LYS:HD2	1	0.26
(1,2095)	1:352:A:GLN:HG2	1:352:A:GLN:HB2	4	0.26
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	14	0.26
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	14	0.26
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	14	0.26
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	17	0.26
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	17	0.26
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	17	0.26
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	12	0.26
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	16	0.26
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	5	0.26
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	5	0.26
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	5	0.26
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	16	0.26
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	16	0.26
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	17	0.26
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	17	0.26
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	17	0.26
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	2	0.26
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	4	0.26
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	1	0.26
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	19	0.26
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	2	0.26
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	5	0.26
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	1	0.26
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	2	0.26
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	4	0.26
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	12	0.26
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	3	0.26
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	6	0.26
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	9	0.26
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	10	0.26
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	13	0.26
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	14	0.26
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	16	0.26
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	17	0.26
(1,1757)	1:367:A:ASP:HB3	1:368:A:ILE:H	1	0.26
(1,1757)	1:367:A:ASP:HB3	1:368:A:ILE:H	4	0.26
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	4	0.26
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	5	0.26
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	7	0.26
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	10	0.26
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	11	0.26
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	12	0.26
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	13	0.26
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	14	0.26
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	15	0.26
(1,1727)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	17	0.26
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	17	0.26
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	18	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	2	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	2	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	2	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	8	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	8	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	8	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	12	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	12	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	16	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	16	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	16	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	19	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	19	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	19	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	20	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	20	0.26
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	20	0.26
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	12	0.26
(1,1616)	1:387:A:LYS:HE2	1:387:A:LYS:HB2	19	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	1	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	2	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	3	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	4	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	5	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	6	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	7	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	8	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	11	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	12	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	13	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	15	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	16	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	18	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	19	0.26
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	20	0.26
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	15	0.26
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	2	0.26
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	11	0.26
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	19	0.26
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	6	0.26
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	14	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	1	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	3	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	5	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	8	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	11	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	12	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	16	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	17	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	18	0.26
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	19	0.26
(1,1512)	1:341:A:GLU:HG3	1:342:A:ASP:H	12	0.26
(1,1512)	1:341:A:GLU:HG3	1:342:A:ASP:H	15	0.26
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	2	0.26
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	17	0.26
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	15	0.26
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	17	0.26
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	6	0.26
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	14	0.26
(1,1343)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	12	0.26
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	2	0.26
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	2	0.26
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	2	0.26
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	4	0.26
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	4	0.26
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	4	0.26
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	8	0.26
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	8	0.26
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	8	0.26
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	15	0.26
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	15	0.26
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	15	0.26
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	17	0.26
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	17	0.26
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	17	0.26
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	13	0.26
(1,1275)	1:354:A:MET:HA	1:354:A:MET:HG3	19	0.26
(1,1232)	1:437:A:ARG:HB3	1:426:A:GLN:HE22	6	0.26
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	3	0.26
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	15	0.26
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	5	0.26
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG21	14	0.26
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG22	14	0.26
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG23	14	0.26
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG21	15	0.26
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG22	15	0.26
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG23	15	0.26
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG21	16	0.26
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG22	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG23	16	0.26
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	18	0.26
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	18	0.26
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	18	0.26
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	8	0.26
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	15	0.26
(1,1086)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	10	0.26
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	18	0.26
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	1	0.26
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	1	0.26
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	1	0.26
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	3	0.26
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	3	0.26
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	3	0.26
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	8	0.26
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	8	0.26
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	8	0.26
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	9	0.26
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	9	0.26
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	9	0.26
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	15	0.26
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	15	0.26
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	15	0.26
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	17	0.26
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	17	0.26
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	17	0.26
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	18	0.26
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	18	0.26
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	18	0.26
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	20	0.26
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	20	0.26
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	20	0.26
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	1	0.26
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	1	0.26
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	1	0.26
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	1	0.26
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	1	0.26
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	1	0.26
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	1	0.26
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	1	0.26
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	1	0.26
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	20	0.26
(1,977)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	20	0.26
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	20	0.26
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	20	0.26
(1,977)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	20	0.26
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	20	0.26
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	20	0.26
(1,977)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	20	0.26
(1,931)	1:427:A:PRO:HB3	1:427:A:PRO:HA	7	0.26
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	9	0.26
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	20	0.26
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	20	0.26
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	20	0.26
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	2	0.26
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	7	0.26
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	13	0.26
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	1	0.26
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	6	0.26
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	8	0.26
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	20	0.26
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	6	0.26
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	10	0.26
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	15	0.26
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	2	0.26
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	3	0.26
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	12	0.26
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	20	0.26
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	20	0.26
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	1	0.26
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	3	0.26
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	4	0.26
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	13	0.26
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	14	0.26
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	18	0.26
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	2	0.26
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	2	0.26
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	2	0.26
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	2	0.26
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	2	0.26
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	2	0.26
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	9	0.26
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	9	0.26
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	9	0.26
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	9	0.26
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	9	0.26
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	20	0.26
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	20	0.26
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	20	0.26
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	20	0.26
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	20	0.26
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	20	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	2	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	2	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	2	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	4	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	4	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	4	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	8	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	8	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	8	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	10	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	10	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	10	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	11	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	11	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	11	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	12	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	12	0.26
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	12	0.26
(1,613)	1:428:A:GLU:HB3	1:428:A:GLU:HG2	13	0.26
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	9	0.26
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	9	0.26
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	9	0.26
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	10	0.26
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	10	0.26
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	10	0.26
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	13	0.26
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	13	0.26
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	13	0.26
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	8	0.26
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	8	0.26
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	8	0.26
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	8	0.26
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	8	0.26
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	8	0.26
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	8	0.26
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	8	0.26
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	17	0.26
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	17	0.26
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	17	0.26
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	17	0.26
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	17	0.26
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	17	0.26
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	17	0.26
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	17	0.26
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	17	0.26
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	20	0.26
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	20	0.26
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	20	0.26
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	20	0.26
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	20	0.26
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	20	0.26
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	20	0.26
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	20	0.26
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	20	0.26
(1,591)	1:459:A:LYS:HE2	1:459:A:LYS:HB2	5	0.26
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	1	0.26
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	4	0.26
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	14	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	1	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	2	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	3	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	4	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	5	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	6	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	7	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	8	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	9	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	11	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	13	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	15	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	17	0.26
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	20	0.26
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	16	0.26
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	1	0.26
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	1	0.26
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	2	0.26
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	2	0.26
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	15	0.26
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	15	0.26
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	15	0.26
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	16	0.26
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	2	0.26
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	2	0.26
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	2	0.26
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	5	0.26
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	5	0.26
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	5	0.26
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	8	0.26
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	8	0.26
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	8	0.26
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	8	0.26
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	4	0.26
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	20	0.26
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	11	0.26
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	11	0.26
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	11	0.26
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	17	0.26
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	17	0.26
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	17	0.26
(1,300)	1:407:A:VAL:HG21	1:408:A:ASN:H	19	0.26
(1,300)	1:407:A:VAL:HG22	1:408:A:ASN:H	19	0.26
(1,300)	1:407:A:VAL:HG23	1:408:A:ASN:H	19	0.26
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	13	0.26
(1,279)	1:399:A:ASP:HB3	1:399:A:ASP:H	20	0.26
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	18	0.26
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	19	0.26
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	20	0.26
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	6	0.26
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	20	0.26
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	9	0.26
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	3	0.26
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	11	0.26
(1,204)	1:374:A:THR:HA	1:374:A:THR:H	14	0.26
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	3	0.26
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	3	0.26
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	18	0.26
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	18	0.26
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	18	0.26
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	20	0.26
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	20	0.26
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	20	0.26
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	16	0.26
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	16	0.26
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE1	17	0.26
(1,139)	1:456:A:MET:HG3	1:356:A:TYR:HE2	17	0.26
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	8	0.26
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	15	0.26
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	1	0.26
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	4	0.26
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	9	0.26
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	16	0.26
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	20	0.26
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	4	0.26
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	4	0.26
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	4	0.26
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	8	0.26
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	8	0.26
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	8	0.26
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	12	0.26
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	12	0.26
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	12	0.26
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	20	0.26
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	10	0.25
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	17	0.25
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	13	0.25
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	5	0.25
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	5	0.25
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	5	0.25
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	12	0.25
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	12	0.25
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	12	0.25
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	18	0.25
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	18	0.25
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	18	0.25
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	4	0.25
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	5	0.25
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	10	0.25
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	11	0.25
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	12	0.25
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	14	0.25
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	17	0.25
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	18	0.25
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	3	0.25
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	14	0.25
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	6	0.25
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	7	0.25
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	11	0.25
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	12	0.25
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	13	0.25
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	20	0.25
(1,3993)	1:428:A:GLU:H	1:427:A:PRO:HG2	18	0.25
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	10	0.25
(1,3971)	1:377:A:THR:H	1:377:A:THR:HB	3	0.25
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD11	9	0.25
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD12	9	0.25
(1,3956)	1:349:A:LEU:H	1:349:A:LEU:HD13	9	0.25
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	11	0.25
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	19	0.25
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	11	0.25
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	2	0.25
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	6	0.25
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	18	0.25
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	20	0.25
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	2	0.25
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	4	0.25
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	10	0.25
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	13	0.25
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	4	0.25
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	4	0.25
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	4	0.25
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	3	0.25
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	19	0.25
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	1	0.25
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	2	0.25
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	7	0.25
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	17	0.25
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	8	0.25
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	10	0.25
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	12	0.25
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	3	0.25
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	6	0.25
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	11	0.25
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	19	0.25
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	9	0.25
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	16	0.25
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	11	0.25
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	18	0.25
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	15	0.25
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	8	0.25
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	18	0.25
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	10	0.25
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	10	0.25
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	15	0.25
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	20	0.25
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	7	0.25
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	8	0.25
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	10	0.25
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	16	0.25
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	4	0.25
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	2	0.25
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	2	0.25
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	20	0.25
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	20	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	1	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	2	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	3	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	4	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	5	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	7	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	8	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	9	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	10	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	11	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	13	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	14	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	15	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	18	0.25
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	19	0.25
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	13	0.25
(1,3426)	1:355:A:TRP:HZ3	1:355:A:TRP:HB2	19	0.25
(1,3356)	1:434:A:TRP:HH2	1:373:A:PRO:HD2	7	0.25
(1,3345)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	14	0.25
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	17	0.25
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	17	0.25
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	17	0.25
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	18	0.25
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	18	0.25
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	18	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	1	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	2	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	3	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	4	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	5	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	7	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	8	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	9	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	10	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	11	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	13	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	14	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	15	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	17	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	18	0.25
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	19	0.25
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	2	0.25
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	9	0.25
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	19	0.25
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	3	0.25
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	3	0.25
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	3	0.25
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	1	0.25
(1,3202)	1:410:A:TRP:HD1	1:388:A:GLU:HG3	19	0.25
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	3	0.25
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	3	0.25
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	8	0.25
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	8	0.25
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	18	0.25
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	4	0.25
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	5	0.25
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	13	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	1	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	2	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	3	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	4	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	5	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	6	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	7	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	8	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	9	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	11	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	12	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	13	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	14	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	15	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	16	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	17	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	18	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	19	0.25
(1,3097)	1:376:A:PRO:HG3	1:376:A:PRO:HB3	20	0.25
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	16	0.25
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	6	0.25
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	8	0.25
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	11	0.25
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	13	0.25
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	20	0.25
(1,2870)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	11	0.25
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	3	0.25
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	3	0.25
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	3	0.25
(1,2836)	1:462:A:PRO:HB3	1:463:A:VAL:H	4	0.25
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	16	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	2	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	2	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	2	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	2	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	2	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	2	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	2	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	2	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	3	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	3	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	3	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	3	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	3	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	3	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	3	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	3	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	3	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	10	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	10	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	10	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	10	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	10	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	10	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	10	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	10	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	10	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	11	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	11	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	11	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	11	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	11	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	11	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	11	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	11	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	11	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	12	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	12	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	12	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	12	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	12	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	12	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	12	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	12	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	12	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	16	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	16	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	16	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	16	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	16	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	16	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	16	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	16	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	17	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	17	0.25
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	17	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	17	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	17	0.25
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	17	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	17	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	17	0.25
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	17	0.25
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	6	0.25
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	10	0.25
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	16	0.25
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	17	0.25
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	16	0.25
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	16	0.25
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	16	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	1	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	3	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	4	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	6	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	7	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	8	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	9	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	10	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	11	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	13	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	14	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	15	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	17	0.25
(1,2620)	1:378:A:PRO:HB2	1:378:A:PRO:HG2	18	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	1	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	2	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	3	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	4	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	5	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	7	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	8	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	11	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	13	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	14	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	15	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	16	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	17	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	18	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	19	0.25
(1,2601)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	20	0.25
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD1	1	0.25
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD2	1	0.25
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD1	1	0.25
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD2	1	0.25
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD1	1	0.25
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD2	1	0.25
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD1	10	0.25
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD2	10	0.25
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD1	10	0.25
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD2	10	0.25
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD1	10	0.25
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD2	10	0.25
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	18	0.25
(1,2586)	1:372:A:LYS:HD2	1:372:A:LYS:HB3	19	0.25
(1,2515)	1:349:A:LEU:HD21	1:370:A:SER:HB2	7	0.25
(1,2515)	1:349:A:LEU:HD22	1:370:A:SER:HB2	7	0.25
(1,2515)	1:349:A:LEU:HD23	1:370:A:SER:HB2	7	0.25
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	2	0.25
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	2	0.25
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	2	0.25
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	12	0.25
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	12	0.25
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	12	0.25
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	14	0.25
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	14	0.25
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	14	0.25
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	18	0.25
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	18	0.25
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	18	0.25
(1,2456)	1:463:A:VAL:HG11	1:464:A:LEU:H	1	0.25
(1,2456)	1:463:A:VAL:HG12	1:464:A:LEU:H	1	0.25
(1,2456)	1:463:A:VAL:HG13	1:464:A:LEU:H	1	0.25
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	9	0.25
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	10	0.25
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	11	0.25
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	12	0.25
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	15	0.25
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	1	0.25
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	8	0.25
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	12	0.25
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	18	0.25
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	10	0.25
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	11	0.25
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	16	0.25
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	17	0.25
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	4	0.25
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	4	0.25
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	4	0.25
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	6	0.25
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	6	0.25
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	6	0.25
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	2	0.25
(1,2376)	1:451:A:LYS:HG3	1:451:A:LYS:H	14	0.25
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	11	0.25
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	11	0.25
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	11	0.25
(1,2366)	1:366:A:THR:HG21	1:366:A:THR:HG1	20	0.25
(1,2366)	1:366:A:THR:HG22	1:366:A:THR:HG1	20	0.25
(1,2366)	1:366:A:THR:HG23	1:366:A:THR:HG1	20	0.25
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	3	0.25
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	9	0.25
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	11	0.25
(1,2341)	1:394:A:LYS:HG2	1:394:A:LYS:HE2	16	0.25
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	11	0.25
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	8	0.25
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	9	0.25
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	10	0.25
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	11	0.25
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	12	0.25
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	16	0.25
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	17	0.25
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	18	0.25
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	20	0.25
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	15	0.25
(1,2086)	1:459:A:LYS:HB3	1:459:A:LYS:HE3	4	0.25
(1,2086)	1:459:A:LYS:HB3	1:459:A:LYS:HE3	10	0.25
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	9	0.25
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	9	0.25
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	9	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	2	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	3	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	4	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	5	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	6	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	7	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	8	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	9	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	10	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	11	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	14	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	15	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	17	0.25
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	20	0.25
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	9	0.25
(1,2011)	1:413:A:ILE:HD11	1:413:A:ILE:HB	15	0.25
(1,2011)	1:413:A:ILE:HD12	1:413:A:ILE:HB	15	0.25
(1,2011)	1:413:A:ILE:HD13	1:413:A:ILE:HB	15	0.25
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	9	0.25
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	9	0.25
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	9	0.25
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	15	0.25
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	15	0.25
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	15	0.25
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	9	0.25
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	5	0.25
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	10	0.25
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	5	0.25
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	8	0.25
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	14	0.25
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	20	0.25
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	1	0.25
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	1	0.25
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	1	0.25
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	1	0.25
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	1	0.25
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	1	0.25
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	1	0.25
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	1	0.25
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	1	0.25
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	2	0.25
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	8	0.25
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	12	0.25
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	15	0.25
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	18	0.25
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	10	0.25
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	10	0.25
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	10	0.25
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	15	0.25
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	15	0.25
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	15	0.25
(1,1689)	1:426:A:GLN:HB3	1:426:A:GLN:H	3	0.25
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	10	0.25
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	4	0.25
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	7	0.25
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	7	0.25
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	7	0.25
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	13	0.25
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	13	0.25
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	13	0.25
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	9	0.25
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	14	0.25
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	17	0.25
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	1	0.25
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	11	0.25
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	20	0.25
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	8	0.25
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	14	0.25
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	14	0.25
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	14	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	2	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	3	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	4	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	5	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	6	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	9	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	12	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	13	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	14	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	15	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	16	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	17	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	18	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	19	0.25
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	20	0.25
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD21	1	0.25
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD22	1	0.25
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD23	1	0.25
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD21	16	0.25
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD22	16	0.25
(1,1544)	1:433:A:LEU:HA	1:433:A:LEU:HD23	16	0.25
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	15	0.25
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	2	0.25
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	13	0.25
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	4	0.25
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	18	0.25
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	1	0.25
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	14	0.25
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	5	0.25
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	8	0.25
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	14	0.25
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	6	0.25
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	13	0.25
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	14	0.25
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	18	0.25
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	3	0.25
(1,1422)	1:340:A:MET:HE1	1:345:A:ILE:H	5	0.25
(1,1422)	1:340:A:MET:HE2	1:345:A:ILE:H	5	0.25
(1,1422)	1:340:A:MET:HE3	1:345:A:ILE:H	5	0.25
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	1	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	1	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	2	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	3	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	4	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	5	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	6	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	7	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	9	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	10	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	11	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	12	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	13	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	14	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	15	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	16	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	17	0.25
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	18	0.25
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	3	0.25
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	3	0.25
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	3	0.25
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	10	0.25
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	10	0.25
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	10	0.25
(1,1316)	1:433:A:LEU:HD21	1:433:A:LEU:HB2	12	0.25
(1,1316)	1:433:A:LEU:HD22	1:433:A:LEU:HB2	12	0.25
(1,1316)	1:433:A:LEU:HD23	1:433:A:LEU:HB2	12	0.25
(1,1255)	1:458:A:GLU:HA	1:459:A:LYS:HB2	18	0.25
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	5	0.25
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	19	0.25
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG21	5	0.25
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG22	5	0.25
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG23	5	0.25
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	19	0.25
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	19	0.25
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	19	0.25
(1,1110)	1:447:A:PRO:HA	1:447:A:PRO:HG3	9	0.25
(1,1009)	1:437:A:ARG:HD3	1:428:A:GLU:HB3	18	0.25
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	11	0.25
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	11	0.25
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	11	0.25
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	13	0.25
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	2	0.25
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	2	0.25
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	2	0.25
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	9	0.25
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	9	0.25
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	9	0.25
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	16	0.25
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	16	0.25
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	8	0.25
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	12	0.25
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	6	0.25
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	10	0.25
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	16	0.25
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	17	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	2	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	3	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	4	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	5	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	6	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	7	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	8	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	9	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	10	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	13	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	14	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	15	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	16	0.25
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	18	0.25
(1,789)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	9	0.25
(1,779)	1:448:A:SER:HB2	1:449:A:VAL:H	16	0.25
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	2	0.25
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	2	0.25
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	4	0.25
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	5	0.25
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	7	0.25
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	8	0.25
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	14	0.25
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	16	0.25
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	17	0.25
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	10	0.25
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	16	0.25
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	2	0.25
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	9	0.25
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	17	0.25
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	1	0.25
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	1	0.25
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	1	0.25
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	1	0.25
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	1	0.25
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	3	0.25
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	3	0.25
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	3	0.25
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	3	0.25
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	3	0.25
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	3	0.25
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	6	0.25
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	6	0.25
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	6	0.25
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	6	0.25
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	6	0.25
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	6	0.25
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	12	0.25
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	12	0.25
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	12	0.25
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	12	0.25
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	12	0.25
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	12	0.25
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	19	0.25
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	19	0.25
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	19	0.25
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	19	0.25
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	19	0.25
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	19	0.25
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	6	0.25
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	6	0.25
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	6	0.25
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	7	0.25
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	7	0.25
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	7	0.25
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	15	0.25
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	15	0.25
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	15	0.25
(1,613)	1:428:A:GLU:HB3	1:428:A:GLU:HG2	18	0.25
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	4	0.25
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	19	0.25
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	17	0.25
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	17	0.25
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	17	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	1	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	1	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	1	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	1	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	1	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	1	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	1	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	1	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	2	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	2	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	2	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	2	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	2	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	2	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	2	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	2	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	2	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	3	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	3	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	3	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	3	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	3	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	3	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	3	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	3	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	3	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	4	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	4	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	4	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	4	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	4	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	4	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	4	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	4	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	4	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	5	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	5	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	5	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	5	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	5	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	5	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	5	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	5	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	7	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	7	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	7	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	7	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	7	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	7	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	7	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	7	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	7	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	10	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	10	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	10	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	10	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	10	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	10	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	10	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	10	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	10	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	12	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	12	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	12	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	12	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	12	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	12	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	12	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	12	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	12	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	13	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	13	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	13	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	13	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	13	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	13	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	13	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	13	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	13	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	15	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	15	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	15	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	15	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	15	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	15	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	15	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	15	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	18	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	18	0.25
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	18	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	18	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	18	0.25
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	18	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	18	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	18	0.25
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	18	0.25
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	8	0.25
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	12	0.25
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	14	0.25
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	5	0.25
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	5	0.25
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	5	0.25
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	6	0.25
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	6	0.25
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	6	0.25
(1,492)	1:407:A:VAL:HB	1:407:A:VAL:HA	19	0.25
(1,479)	1:342:A:ASP:HB2	1:341:A:GLU:HA	18	0.25
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	5	0.25
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	5	0.25
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	6	0.25
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	6	0.25
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	9	0.25
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	9	0.25
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	13	0.25
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	13	0.25
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	4	0.25
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	4	0.25
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	4	0.25
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	16	0.25
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	16	0.25
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	16	0.25
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	18	0.25
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	18	0.25
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	18	0.25
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	11	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	11	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	11	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	12	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	12	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	12	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	13	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	13	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	13	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	15	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	15	0.25
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	15	0.25
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	6	0.25
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	14	0.25
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	11	0.25
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	14	0.25
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	16	0.25
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	18	0.25
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	11	0.25
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	2	0.25
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	2	0.25
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	2	0.25
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	3	0.25
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	14	0.25
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	13	0.25
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	8	0.25
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	8	0.25
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	8	0.25
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	9	0.25
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	9	0.25
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	9	0.25
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	12	0.25
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	12	0.25
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	12	0.25
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	17	0.25
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	17	0.25
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	17	0.25
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	1	0.25
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	2	0.25
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	10	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	2	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	5	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	6	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	7	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	8	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	10	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	11	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	12	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	14	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	15	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	17	0.25
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	18	0.25
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	15	0.25
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	2	0.25
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	18	0.24
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	1	0.24
(1,4164)	1:348:A:ASP:H	1:348:A:ASP:HB3	19	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	1	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	1	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	1	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	2	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	2	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	2	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	6	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	6	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	6	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	7	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	7	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	7	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	17	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	17	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	17	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	20	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	20	0.24
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	20	0.24
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	16	0.24
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	6	0.24
(1,4144)	1:371:A:GLY:H	1:370:A:SER:HA	15	0.24
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	18	0.24
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	4	0.24
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	7	0.24
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	11	0.24
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	19	0.24
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	20	0.24
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	10	0.24
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	9	0.24
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	10	0.24
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	17	0.24
(1,3975)	1:364:A:LEU:H	1:356:A:TYR:H	1	0.24
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	3	0.24
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	12	0.24
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	18	0.24
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	5	0.24
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	8	0.24
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	10	0.24
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	13	0.24
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	15	0.24
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	3	0.24
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	15	0.24
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	19	0.24
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	15	0.24
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	3	0.24
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	4	0.24
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	5	0.24
(1,3868)	1:437:A:ARG:H	1:437:A:ARG:HB2	17	0.24
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	1	0.24
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	1	0.24
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	1	0.24
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	2	0.24
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	2	0.24
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	2	0.24
(1,3849)	1:449:A:VAL:H	1:450:A:MET:H	14	0.24
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	3	0.24
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	3	0.24
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	3	0.24
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	19	0.24
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	19	0.24
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	19	0.24
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	5	0.24
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	8	0.24
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	10	0.24
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	12	0.24
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	13	0.24
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	16	0.24
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	17	0.24
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	3	0.24
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	4	0.24
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	10	0.24
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	11	0.24
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	19	0.24
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	20	0.24
(1,3771)	1:426:A:GLN:H	1:426:A:GLN:HB2	13	0.24
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	2	0.24
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	8	0.24
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	10	0.24
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	16	0.24
(1,3730)	1:341:A:GLU:H	1:341:A:GLU:HB3	13	0.24
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	9	0.24
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	9	0.24
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	9	0.24
(1,3674)	1:341:A:GLU:H	1:341:A:GLU:HB2	2	0.24
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	3	0.24
(1,3616)	1:374:A:THR:H	1:376:A:PRO:HD2	11	0.24
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	13	0.24
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	5	0.24
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	18	0.24
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	11	0.24
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	13	0.24
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	12	0.24
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	12	0.24
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	12	0.24
(1,3445)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	6	0.24
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	2	0.24
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	2	0.24
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	4	0.24
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	4	0.24
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	5	0.24
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	5	0.24
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	7	0.24
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	7	0.24
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	18	0.24
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	18	0.24
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	20	0.24
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	14	0.24
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	17	0.24
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	17	0.24
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	17	0.24
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	17	0.24
(1,3232)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	6	0.24
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	6	0.24
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	13	0.24
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	20	0.24
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	20	0.24
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	20	0.24
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	3	0.24
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	5	0.24
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	7	0.24
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	10	0.24
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	11	0.24
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	19	0.24
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	3	0.24
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	8	0.24
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	10	0.24
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	12	0.24
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	16	0.24
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	20	0.24
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	2	0.24
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	3	0.24
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	6	0.24
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	9	0.24
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	11	0.24
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	12	0.24
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	18	0.24
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	3	0.24
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	10	0.24
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	4	0.24
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	4	0.24
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	4	0.24
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	9	0.24
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	9	0.24
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	9	0.24
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	10	0.24
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	10	0.24
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	10	0.24
(1,2861)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	11	0.24
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	18	0.24
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	7	0.24
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	7	0.24
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	7	0.24
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	7	0.24
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	7	0.24
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	7	0.24
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	7	0.24
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	7	0.24
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	7	0.24
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	9	0.24
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	9	0.24
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	9	0.24
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	9	0.24
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	9	0.24
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	9	0.24
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	9	0.24
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	9	0.24
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	9	0.24
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	14	0.24
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	14	0.24
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	14	0.24
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	14	0.24
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	14	0.24
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	14	0.24
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	14	0.24
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	14	0.24
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	14	0.24
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	7	0.24
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	8	0.24
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	10	0.24
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	16	0.24
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	20	0.24
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	2	0.24
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	3	0.24
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	4	0.24
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	7	0.24
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	8	0.24
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	11	0.24
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	12	0.24
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	14	0.24
(1,2659)	1:368:A:ILE:HD11	1:349:A:LEU:HA	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2659)	1:368:A:ILE:HD12	1:349:A:LEU:HA	1	0.24
(1,2659)	1:368:A:ILE:HD13	1:349:A:LEU:HA	1	0.24
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	20	0.24
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	20	0.24
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	20	0.24
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	9	0.24
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	9	0.24
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	1	0.24
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	1	0.24
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	1	0.24
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	1	0.24
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	6	0.24
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	2	0.24
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	6	0.24
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	10	0.24
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	13	0.24
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	16	0.24
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	17	0.24
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	19	0.24
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	20	0.24
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	8	0.24
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	2	0.24
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	4	0.24
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	4	0.24
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	4	0.24
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	17	0.24
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	17	0.24
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	17	0.24
(1,2404)	1:340:A:MET:HE1	1:340:A:MET:HB3	4	0.24
(1,2404)	1:340:A:MET:HE2	1:340:A:MET:HB3	4	0.24
(1,2404)	1:340:A:MET:HE3	1:340:A:MET:HB3	4	0.24
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	19	0.24
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	1	0.24
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	2	0.24
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	1	0.24
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	2	0.24
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	6	0.24
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	13	0.24
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	19	0.24
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	5	0.24
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	6	0.24
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	20	0.24
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	19	0.24
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	1	0.24
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	13	0.24
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	18	0.24
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	4	0.24
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	19	0.24
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	1	0.24
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	1	0.24
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	1	0.24
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	13	0.24
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	13	0.24
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	13	0.24
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	16	0.24
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	16	0.24
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	16	0.24
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	6	0.24
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	10	0.24
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	12	0.24
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	8	0.24
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	19	0.24
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	7	0.24
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	9	0.24
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	13	0.24
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	16	0.24
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	20	0.24
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	7	0.24
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	7	0.24
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	7	0.24
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	3	0.24
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	7	0.24
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	10	0.24
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	14	0.24
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	15	0.24
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	16	0.24
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	16	0.24
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	16	0.24
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	16	0.24
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	16	0.24
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	16	0.24
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	16	0.24
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	16	0.24
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	17	0.24
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	7	0.24
(1,1804)	1:360:A:GLY:HA2	1:361:A:LYS:H	11	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	1	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	1	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	1	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	5	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	5	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	5	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	6	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	6	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	6	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	7	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	7	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	7	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	8	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	8	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	8	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	11	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	11	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	11	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	13	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	13	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	13	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	15	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	15	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	15	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	20	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	20	0.24
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	20	0.24
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	2	0.24
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	2	0.24
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	2	0.24
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	5	0.24
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	5	0.24
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	5	0.24
(1,1607)	1:406:A:PRO:HD3	1:406:A:PRO:HG2	10	0.24
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	12	0.24
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	16	0.24
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	17	0.24
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	4	0.24
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	5	0.24
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	11	0.24
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	1	0.24
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	7	0.24
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	8	0.24
(1,1553)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	11	0.24
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	8	0.24
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	12	0.24
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	6	0.24
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	11	0.24
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	15	0.24
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	17	0.24
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	19	0.24
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	2	0.24
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	7	0.24
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	9	0.24
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	13	0.24
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	16	0.24
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	20	0.24
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	2	0.24
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	3	0.24
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	5	0.24
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	8	0.24
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	10	0.24
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	16	0.24
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	20	0.24
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	9	0.24
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	1	0.24
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	17	0.24
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	17	0.24
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	19	0.24
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	19	0.24
(1,1337)	1:456:A:MET:HA	1:456:A:MET:HB2	20	0.24
(1,1267)	1:464:A:LEU:HD11	1:464:A:LEU:HB2	5	0.24
(1,1267)	1:464:A:LEU:HD12	1:464:A:LEU:HB2	5	0.24
(1,1267)	1:464:A:LEU:HD13	1:464:A:LEU:HB2	5	0.24
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	18	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	1	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	2	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	3	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	6	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	7	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	8	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	9	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	10	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	12	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	13	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	14	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	15	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	17	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	18	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	19	0.24
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	20	0.24
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	2	0.24
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	9	0.24
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	7	0.24
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	8	0.24
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	9	0.24
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	10	0.24
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	11	0.24
(1,1170)	1:388:A:GLU:HG3	1:388:A:GLU:HA	19	0.24
(1,1136)	1:378:A:PRO:HD2	1:377:A:THR:HA	13	0.24
(1,1136)	1:378:A:PRO:HD2	1:377:A:THR:HA	15	0.24
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	6	0.24
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	11	0.24
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	15	0.24
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	17	0.24
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	7	0.24
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	2	0.24
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	2	0.24
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	2	0.24
(1,1046)	1:387:A:LYS:HB2	1:387:A:LYS:H	16	0.24
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	4	0.24
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	4	0.24
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	4	0.24
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	12	0.24
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	12	0.24
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	12	0.24
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	16	0.24
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	16	0.24
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	16	0.24
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	5	0.24
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	5	0.24
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	6	0.24
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	6	0.24
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	6	0.24
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	7	0.24
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	7	0.24
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	7	0.24
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	10	0.24
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	10	0.24
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	10	0.24
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	13	0.24
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	13	0.24
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	13	0.24
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	17	0.24
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	17	0.24
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	17	0.24
(1,828)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	18	0.24
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	2	0.24
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	3	0.24
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	4	0.24
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	7	0.24
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	8	0.24
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	11	0.24
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	12	0.24
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	14	0.24
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	11	0.24
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	12	0.24
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	17	0.24
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	19	0.24
(1,825)	1:354:A:MET:HG2	1:354:A:MET:HB3	20	0.24
(1,823)	1:372:A:LYS:HG2	1:372:A:LYS:HD2	17	0.24
(1,779)	1:448:A:SER:HB2	1:449:A:VAL:H	17	0.24
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	9	0.24
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	17	0.24
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	18	0.24
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	17	0.24
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	7	0.24
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	11	0.24
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	18	0.24
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	19	0.24
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	15	0.24
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	20	0.24
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	10	0.24
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	10	0.24
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	10	0.24
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	10	0.24
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	10	0.24
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	10	0.24
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE1	18	0.24
(1,688)	1:453:A:LEU:HD21	1:356:A:TYR:HE2	18	0.24
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE1	18	0.24
(1,688)	1:453:A:LEU:HD22	1:356:A:TYR:HE2	18	0.24
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE1	18	0.24
(1,688)	1:453:A:LEU:HD23	1:356:A:TYR:HE2	18	0.24
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	2	0.24
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	6	0.24
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	9	0.24
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	20	0.24
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	5	0.24
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	5	0.24
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	5	0.24
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	14	0.24
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	14	0.24
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	14	0.24
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	18	0.24
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	18	0.24
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	18	0.24
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	15	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	6	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	6	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	6	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	6	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	6	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	6	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	6	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	6	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	6	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	9	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	9	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	9	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	9	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	9	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	9	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	9	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	9	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	11	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	11	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	11	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	11	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	11	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	11	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	11	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	11	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	11	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	16	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	16	0.24
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	16	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	16	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	16	0.24
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	16	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	16	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	16	0.24
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	16	0.24
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	2	0.24
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	11	0.24
(1,537)	1:423:A:SER:HA	1:425:A:TRP:H	14	0.24
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	2	0.24
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	2	0.24
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	2	0.24
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	11	0.24
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	11	0.24
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	11	0.24
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	13	0.24
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	13	0.24
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	13	0.24
(1,477)	1:428:A:GLU:HG3	1:428:A:GLU:HB2	7	0.24
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	20	0.24
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	20	0.24
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	20	0.24
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	16	0.24
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	1	0.24
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	3	0.24
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:435:A:LYS:HB2	1:436:A:THR:H	13	0.24
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	18	0.24
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	6	0.24
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	6	0.24
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	6	0.24
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	6	0.24
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	11	0.24
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	15	0.24
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	17	0.24
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	1	0.24
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	2	0.24
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	8	0.24
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	9	0.24
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	10	0.24
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	13	0.24
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	15	0.24
(1,278)	1:341:A:GLU:HG2	1:341:A:GLU:HA	4	0.24
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	1	0.24
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	1	0.24
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	1	0.24
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	3	0.24
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	3	0.24
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	3	0.24
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	16	0.24
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	16	0.24
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	16	0.24
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	4	0.24
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	15	0.24
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	14	0.24
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	15	0.24
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	15	0.24
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	15	0.24
(1,70)	1:445:A:THR:HG21	1:445:A:THR:HA	16	0.24
(1,70)	1:445:A:THR:HG22	1:445:A:THR:HA	16	0.24
(1,70)	1:445:A:THR:HG23	1:445:A:THR:HA	16	0.24
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	1	0.24
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	3	0.24
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	4	0.24
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	6	0.24
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	8	0.24
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	9	0.24
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	11	0.24
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	12	0.24
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	16	0.24
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	17	0.24
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	20	0.24
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	5	0.24
(1,4223)	1:434:A:TRP:HE1	1:432:A:ASP:HB2	13	0.23
(1,4192)	1:426:A:GLN:HE22	1:428:A:GLU:HB2	1	0.23
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	7	0.23
(1,4175)	1:368:A:ILE:H	1:367:A:ASP:HB2	1	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	3	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	3	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	3	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	4	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	4	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	4	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	8	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	8	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	8	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	10	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	10	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	10	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	14	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	14	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	14	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	19	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	19	0.23
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	19	0.23
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	1	0.23
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	1	0.23
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	3	0.23
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	6	0.23
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	16	0.23
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	1	0.23
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	5	0.23
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	9	0.23
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	10	0.23
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	13	0.23
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	15	0.23
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	16	0.23
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	17	0.23
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4033)	1:455:A:GLY:H	1:456:A:MET:H	19	0.23
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	11	0.23
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	12	0.23
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	9	0.23
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	19	0.23
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	7	0.23
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	5	0.23
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	9	0.23
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	14	0.23
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	7	0.23
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	16	0.23
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	10	0.23
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	14	0.23
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	14	0.23
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	14	0.23
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	1	0.23
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	2	0.23
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	4	0.23
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	6	0.23
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	7	0.23
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	9	0.23
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	11	0.23
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	15	0.23
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	20	0.23
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	5	0.23
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	8	0.23
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	13	0.23
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	15	0.23
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	6	0.23
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	14	0.23
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	17	0.23
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	20	0.23
(1,3775)	1:441:A:GLY:H	1:440:A:HIS:HA	6	0.23
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	5	0.23
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	15	0.23
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	20	0.23
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	1	0.23
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	3	0.23
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	8	0.23
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	11	0.23
(1,3742)	1:407:A:VAL:H	1:392:A:THR:HA	18	0.23
(1,3730)	1:341:A:GLU:H	1:341:A:GLU:HB3	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3730)	1:341:A:GLU:H	1:341:A:GLU:HB3	16	0.23
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	10	0.23
(1,3674)	1:341:A:GLU:H	1:341:A:GLU:HB2	12	0.23
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	12	0.23
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	19	0.23
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	6	0.23
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	8	0.23
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	10	0.23
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	11	0.23
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	12	0.23
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	15	0.23
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	20	0.23
(1,3590)	1:422:A:ASP:H	1:421:A:HIS:HB2	14	0.23
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	4	0.23
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	10	0.23
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	9	0.23
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	20	0.23
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	20	0.23
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	20	0.23
(1,3483)	1:388:A:GLU:H	1:410:A:TRP:HD1	19	0.23
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	6	0.23
(1,3428)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	11	0.23
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	6	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	6	0.23
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	8	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	8	0.23
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	10	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	10	0.23
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	11	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	11	0.23
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	12	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	12	0.23
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	13	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	13	0.23
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	14	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	14	0.23
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	15	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	15	0.23
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	17	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	17	0.23
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	19	0.23
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3377)	1:425:A:TRP:HE3	1:425:A:TRP:HA	19	0.23
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	3	0.23
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	3	0.23
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	3	0.23
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	18	0.23
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	18	0.23
(1,3302)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	18	0.23
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	3	0.23
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	4	0.23
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	1	0.23
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	7	0.23
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	10	0.23
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	15	0.23
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	20	0.23
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	6	0.23
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	6	0.23
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	6	0.23
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	12	0.23
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	12	0.23
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	12	0.23
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	1	0.23
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	16	0.23
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	17	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	2	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	4	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	6	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	8	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	9	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	12	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	13	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	15	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	16	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	17	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	18	0.23
(1,3205)	1:434:A:TRP:HD1	1:434:A:TRP:HB3	20	0.23
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	6	0.23
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	6	0.23
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	6	0.23
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	11	0.23
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	15	0.23
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	17	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	1	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	1	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	2	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	2	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	2	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	4	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	4	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	4	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	5	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	5	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	5	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	6	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	6	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	6	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	8	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	8	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	8	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	9	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	9	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	9	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	10	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	10	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	10	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	11	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	11	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	11	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	12	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	12	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	12	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	14	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	14	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	14	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	15	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	15	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	15	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	16	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	16	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	16	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	17	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	17	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	17	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	18	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	18	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	20	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	20	0.23
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	20	0.23
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	19	0.23
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	20	0.23
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	1	0.23
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	5	0.23
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	8	0.23
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	10	0.23
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	13	0.23
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	15	0.23
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	17	0.23
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	19	0.23
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	20	0.23
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	2	0.23
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	16	0.23
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	17	0.23
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	1	0.23
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	2	0.23
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	2	0.23
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	2	0.23
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	2	0.23
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	7	0.23
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	7	0.23
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	7	0.23
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	4	0.23
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	3	0.23
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	6	0.23
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	11	0.23
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	13	0.23
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	17	0.23
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	18	0.23
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	1	0.23
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	13	0.23
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	18	0.23
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	19	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	1	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	2	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	4	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	6	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	7	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	8	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	10	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	11	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	13	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	14	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	15	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	18	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	19	0.23
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	20	0.23
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	4	0.23
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	4	0.23
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	4	0.23
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	17	0.23
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	17	0.23
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	17	0.23
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	2	0.23
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	18	0.23
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	3	0.23
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	11	0.23
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	14	0.23
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	1	0.23
(1,2417)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	5	0.23
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	3	0.23
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	3	0.23
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	3	0.23
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	10	0.23
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	10	0.23
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	10	0.23
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	13	0.23
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	13	0.23
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	13	0.23
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	1	0.23
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	1	0.23
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	1	0.23
(1,2325)	1:354:A:MET:HA	1:355:A:TRP:HE3	19	0.23
(1,2284)	1:390:A:ASP:HB2	1:389:A:GLU:HA	11	0.23
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	3	0.23
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	10	0.23
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	3	0.23
(1,2216)	1:340:A:MET:HB3	1:340:A:MET:HA	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	1	0.23
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	12	0.23
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	2	0.23
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	9	0.23
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	12	0.23
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	14	0.23
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	7	0.23
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	10	0.23
(1,2086)	1:459:A:LYS:HB3	1:459:A:LYS:HE3	5	0.23
(1,2086)	1:459:A:LYS:HB3	1:459:A:LYS:HE3	20	0.23
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	7	0.23
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	7	0.23
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	7	0.23
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	16	0.23
(1,2020)	1:350:A:GLU:HB3	1:350:A:GLU:HA	19	0.23
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	3	0.23
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	5	0.23
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	7	0.23
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	10	0.23
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	12	0.23
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	13	0.23
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	14	0.23
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	18	0.23
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	19	0.23
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	19	0.23
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	19	0.23
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	3	0.23
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	13	0.23
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	15	0.23
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	3	0.23
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	1	0.23
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	1	0.23
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	1	0.23
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	6	0.23
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	6	0.23
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	6	0.23
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	1	0.23
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	4	0.23
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	11	0.23
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	12	0.23
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	16	0.23
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	18	0.23
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	19	0.23
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	4	0.23
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	4	0.23
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	4	0.23
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	4	0.23
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	4	0.23
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	4	0.23
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	4	0.23
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	4	0.23
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	4	0.23
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	3	0.23
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	6	0.23
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	11	0.23
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	19	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	3	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	3	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	3	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	4	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	4	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	4	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	12	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	12	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	12	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	17	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	17	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	17	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	18	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	18	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	18	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	19	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	19	0.23
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	19	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	7	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	7	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	7	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	8	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	8	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	8	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	9	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	9	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	10	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	10	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	10	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	13	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	13	0.23
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	13	0.23
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	4	0.23
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	9	0.23
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	17	0.23
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	16	0.23
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	9	0.23
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	9	0.23
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	9	0.23
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	4	0.23
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	10	0.23
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	12	0.23
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	14	0.23
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	16	0.23
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	1	0.23
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	15	0.23
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	4	0.23
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	3	0.23
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	3	0.23
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	16	0.23
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	4	0.23
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	7	0.23
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	11	0.23
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	12	0.23
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	14	0.23
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	8	0.23
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	14	0.23
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	20	0.23
(1,1394)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	7	0.23
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	15	0.23
(1,1371)	1:399:A:ASP:HB3	1:400:A:GLY:H	7	0.23
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	9	0.23
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	11	0.23
(1,1220)	1:364:A:LEU:HB3	1:364:A:LEU:HG	16	0.23
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	4	0.23
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	12	0.23
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	12	0.23
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	20	0.23
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG21	20	0.23
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG22	20	0.23
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG23	20	0.23
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	16	0.23
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	16	0.23
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	16	0.23
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	20	0.23
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	20	0.23
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	20	0.23
(1,1136)	1:378:A:PRO:HD2	1:377:A:THR:HA	7	0.23
(1,1136)	1:378:A:PRO:HD2	1:377:A:THR:HA	20	0.23
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	8	0.23
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	7	0.23
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	19	0.23
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	8	0.23
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	8	0.23
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	8	0.23
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	15	0.23
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	15	0.23
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	15	0.23
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	1	0.23
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	13	0.23
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	18	0.23
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	19	0.23
(1,793)	1:451:A:LYS:HG3	1:451:A:LYS:HE2	10	0.23
(1,793)	1:451:A:LYS:HG3	1:451:A:LYS:HE2	20	0.23
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	13	0.23
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	15	0.23
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	10	0.23
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	19	0.23
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	9	0.23
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	16	0.23
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	17	0.23
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	4	0.23
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	15	0.23
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	18	0.23
(1,713)	1:394:A:LYS:HG2	1:394:A:LYS:H	11	0.23
(1,694)	1:436:A:THR:HB	1:437:A:ARG:H	7	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	1	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	3	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	7	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	8	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	10	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	11	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	12	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	13	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	15	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	16	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	17	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	18	0.23
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	19	0.23
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	10	0.23
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	3	0.23
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	3	0.23
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	3	0.23
(1,611)	1:407:A:VAL:HG11	1:425:A:TRP:HH2	18	0.23
(1,611)	1:407:A:VAL:HG12	1:425:A:TRP:HH2	18	0.23
(1,611)	1:407:A:VAL:HG13	1:425:A:TRP:HH2	18	0.23
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	14	0.23
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	14	0.23
(1,603)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	14	0.23
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	14	0.23
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	14	0.23
(1,603)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	14	0.23
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	14	0.23
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	14	0.23
(1,603)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	14	0.23
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	2	0.23
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	1	0.23
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	17	0.23
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	15	0.23
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	19	0.23
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	1	0.23
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	1	0.23
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	1	0.23
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	3	0.23
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	3	0.23
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	3	0.23
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	6	0.23
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	6	0.23
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	6	0.23
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	7	0.23
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	7	0.23
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	10	0.23
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	10	0.23
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	10	0.23
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	14	0.23
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	14	0.23
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	14	0.23
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	17	0.23
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	17	0.23
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	17	0.23
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	18	0.23
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	18	0.23
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	18	0.23
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	20	0.23
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	20	0.23
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	20	0.23
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	14	0.23
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	14	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	1	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	6	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	7	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	8	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	9	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	10	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	11	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	12	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	13	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	16	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	17	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	19	0.23
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	20	0.23
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	5	0.23
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	5	0.23
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	5	0.23
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	9	0.23
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	9	0.23
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	9	0.23
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	12	0.23
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	12	0.23
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	12	0.23
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD21	14	0.23
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD22	14	0.23
(1,390)	1:457:A:VAL:HB	1:453:A:LEU:HD23	14	0.23
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	5	0.23
(1,299)	1:413:A:ILE:HG21	1:413:A:ILE:HA	19	0.23
(1,299)	1:413:A:ILE:HG22	1:413:A:ILE:HA	19	0.23
(1,299)	1:413:A:ILE:HG23	1:413:A:ILE:HA	19	0.23
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	7	0.23
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	7	0.23
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	7	0.23
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	9	0.23
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	9	0.23
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	9	0.23
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	13	0.23
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	13	0.23
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	13	0.23
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	15	0.23
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	15	0.23
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	15	0.23
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	17	0.23
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	17	0.23
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	17	0.23
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	20	0.23
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	20	0.23
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	20	0.23
(1,241)	1:432:A:ASP:HB2	1:431:A:GLY:HA2	3	0.23
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	4	0.23
(1,219)	1:341:A:GLU:HB3	1:342:A:ASP:HA	17	0.23
(1,173)	1:420:A:ILE:HG21	1:421:A:HIS:HA	14	0.23
(1,173)	1:420:A:ILE:HG22	1:421:A:HIS:HA	14	0.23
(1,173)	1:420:A:ILE:HG23	1:421:A:HIS:HA	14	0.23
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	12	0.23
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	12	0.23
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	12	0.23
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	12	0.23
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	17	0.23
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	13	0.23
(1,93)	1:368:A:ILE:HB	1:368:A:ILE:HG13	19	0.23
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	7	0.23
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	1	0.23
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	5	0.23
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	13	0.23
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	14	0.23
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	15	0.23
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	18	0.23
(1,23)	1:394:A:LYS:HE2	1:394:A:LYS:HB3	19	0.23
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	2	0.22
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	3	0.22
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	4	0.22
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	17	0.22
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	3	0.22
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	16	0.22
(1,4172)	1:394:A:LYS:H	1:393:A:LEU:HA	10	0.22
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	9	0.22
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	9	0.22
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	9	0.22
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	11	0.22
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	11	0.22
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	11	0.22
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	13	0.22
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	13	0.22
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	13	0.22
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	7	0.22
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	9	0.22
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	10	0.22
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	12	0.22
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	17	0.22
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	2	0.22
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	8	0.22
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	9	0.22
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	6	0.22
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	8	0.22
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	11	0.22
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	13	0.22
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	15	0.22
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	16	0.22
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	19	0.22
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	20	0.22
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	1	0.22
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	14	0.22
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	5	0.22
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	6	0.22
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	4	0.22
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	14	0.22
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	7	0.22
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	7	0.22
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	7	0.22
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	13	0.22
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	13	0.22
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	13	0.22
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	16	0.22
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	16	0.22
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	16	0.22
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	6	0.22
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	6	0.22
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	6	0.22
(1,3823)	1:431:A:GLY:H	1:430:A:GLY:H	18	0.22
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	6	0.22
(1,3808)	1:451:A:LYS:H	1:450:A:MET:H	18	0.22
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	3	0.22
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	4	0.22
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	9	0.22
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	11	0.22
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	13	0.22
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	18	0.22
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	4	0.22
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	12	0.22
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	17	0.22
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	2	0.22
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	10	0.22
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	13	0.22
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	14	0.22
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	15	0.22
(1,3730)	1:341:A:GLU:H	1:341:A:GLU:HB3	12	0.22
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	3	0.22
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	8	0.22
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	11	0.22
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	16	0.22
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	11	0.22
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	14	0.22
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	15	0.22
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	9	0.22
(1,3667)	1:459:A:LYS:H	1:459:A:LYS:HG3	13	0.22
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	3	0.22
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	7	0.22
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	13	0.22
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	14	0.22
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	17	0.22
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	12	0.22
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	17	0.22
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	20	0.22
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	4	0.22
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	14	0.22
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	1	0.22
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	19	0.22
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	11	0.22
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	11	0.22
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	11	0.22
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	3	0.22
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	3	0.22
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	3	0.22
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	4	0.22
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	4	0.22
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	4	0.22
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	20	0.22
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	20	0.22
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	20	0.22
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD1	9	0.22
(1,3476)	1:429:A:TYR:H	1:429:A:TYR:HD2	9	0.22
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	4	0.22
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	17	0.22
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	20	0.22
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	1	0.22
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	1	0.22
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	3	0.22
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	3	0.22
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	16	0.22
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	16	0.22
(1,3418)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	20	0.22
(1,3418)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	20	0.22
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	17	0.22
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	17	0.22
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	17	0.22
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	6	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	3	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	4	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	6	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	8	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	11	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	12	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	13	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	14	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	16	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	18	0.22
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	19	0.22
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	3	0.22
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	3	0.22
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	3	0.22
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	20	0.22
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	20	0.22
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	20	0.22
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	3	0.22
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	15	0.22
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	1	0.22
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	1	0.22
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	1	0.22
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	5	0.22
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	5	0.22
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	7	0.22
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	7	0.22
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	9	0.22
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	9	0.22
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	13	0.22
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	13	0.22
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	14	0.22
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	14	0.22
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	1	0.22
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	2	0.22
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	9	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	3	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	3	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	3	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	7	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	7	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	7	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	13	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	13	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG21	19	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG22	19	0.22
(1,3142)	1:362:A:VAL:HB	1:362:A:VAL:HG23	19	0.22
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	15	0.22
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	7	0.22
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	14	0.22
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	14	0.22
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	8	0.22
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	8	0.22
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	8	0.22
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	14	0.22
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	14	0.22
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	14	0.22
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	15	0.22
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	15	0.22
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	15	0.22
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	2	0.22
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	8	0.22
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	12	0.22
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	20	0.22
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	15	0.22
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	20	0.22
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD11	18	0.22
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD12	18	0.22
(1,2787)	1:420:A:ILE:HG21	1:420:A:ILE:HD13	18	0.22
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD11	18	0.22
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD12	18	0.22
(1,2787)	1:420:A:ILE:HG22	1:420:A:ILE:HD13	18	0.22
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD11	18	0.22
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD12	18	0.22
(1,2787)	1:420:A:ILE:HG23	1:420:A:ILE:HD13	18	0.22
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	4	0.22
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	9	0.22
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	12	0.22
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	14	0.22
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	15	0.22
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	3	0.22
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	8	0.22
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	15	0.22
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	20	0.22
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	7	0.22
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	17	0.22
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	17	0.22
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	17	0.22
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	3	0.22
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	12	0.22
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	16	0.22
(1,2539)	1:446:A:PRO:HB2	1:446:A:PRO:HA	17	0.22
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	9	0.22
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	9	0.22
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	9	0.22
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	4	0.22
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	14	0.22
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	19	0.22
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	15	0.22
(1,2442)	1:339:A:HIS:HA	1:339:A:HIS:HB2	18	0.22
(1,2437)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	14	0.22
(1,2425)	1:361:A:LYS:HG2	1:361:A:LYS:HA	7	0.22
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	17	0.22
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	2	0.22
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	2	0.22
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	2	0.22
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	7	0.22
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	7	0.22
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	7	0.22
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	11	0.22
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	11	0.22
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	11	0.22
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	14	0.22
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	14	0.22
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	14	0.22
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	17	0.22
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	17	0.22
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	17	0.22
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	12	0.22
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	12	0.22
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	12	0.22
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	13	0.22
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	13	0.22
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	13	0.22
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	14	0.22
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	14	0.22
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	18	0.22
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	18	0.22
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	18	0.22
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	13	0.22
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	13	0.22
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	13	0.22
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	4	0.22
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	2	0.22
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	2	0.22
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	2	0.22
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	19	0.22
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	19	0.22
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	19	0.22
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	2	0.22
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	4	0.22
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	5	0.22
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	7	0.22
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	10	0.22
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	11	0.22
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	17	0.22
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	18	0.22
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	20	0.22
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	1	0.22
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	7	0.22
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	10	0.22
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	11	0.22
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	18	0.22
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	1	0.22
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	6	0.22
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	4	0.22
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	4	0.22
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	4	0.22
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	13	0.22
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	1	0.22
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	2	0.22
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	8	0.22
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	2	0.22
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	2	0.22
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	2	0.22
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	4	0.22
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	4	0.22
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	8	0.22
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	15	0.22
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	16	0.22
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	17	0.22
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	13	0.22
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	20	0.22
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	1	0.22
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	1	0.22
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	1	0.22
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	2	0.22
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	2	0.22
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	2	0.22
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	5	0.22
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	5	0.22
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	5	0.22
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	7	0.22
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	7	0.22
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	7	0.22
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	12	0.22
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	12	0.22
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	12	0.22
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	18	0.22
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	18	0.22
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	18	0.22
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	18	0.22
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	6	0.22
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	10	0.22
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	11	0.22
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	12	0.22
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	17	0.22
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	2	0.22
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	6	0.22
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	8	0.22
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	9	0.22
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	16	0.22
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	9	0.22
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	9	0.22
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	9	0.22
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	14	0.22
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	14	0.22
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	16	0.22
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	16	0.22
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	16	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	3	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	3	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	3	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	4	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	4	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	4	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	14	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	14	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	14	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	18	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	18	0.22
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	18	0.22
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	8	0.22
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	8	0.22
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	8	0.22
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	2	0.22
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	5	0.22
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	15	0.22
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	7	0.22
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	13	0.22
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	20	0.22
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	2	0.22
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	2	0.22
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	2	0.22
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	12	0.22
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	12	0.22
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	12	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	1	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	3	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	4	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	5	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	7	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	8	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	10	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	12	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	13	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	14	0.22
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	18	0.22
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	14	0.22
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	3	0.22
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	9	0.22
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	17	0.22
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	3	0.22
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	9	0.22
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	13	0.22
(1,1517)	1:447:A:PRO:HB2	1:447:A:PRO:HA	9	0.22
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	6	0.22
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	10	0.22
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	11	0.22
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	12	0.22
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	17	0.22
(1,1465)	1:346:A:GLU:HG3	1:346:A:GLU:HA	6	0.22
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	6	0.22
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	12	0.22
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	1	0.22
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	3	0.22
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	18	0.22
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	2	0.22
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	4	0.22
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	13	0.22
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	19	0.22
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	3	0.22
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	9	0.22
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	13	0.22
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	7	0.22
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	1	0.22
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	8	0.22
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	5	0.22
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	10	0.22
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	20	0.22
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	10	0.22
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	10	0.22
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	10	0.22
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	13	0.22
(1,1136)	1:378:A:PRO:HD2	1:377:A:THR:HA	16	0.22
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	3	0.22
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	10	0.22
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	14	0.22
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	19	0.22
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	20	0.22
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	17	0.22
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	3	0.22
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	3	0.22
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	3	0.22
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	4	0.22
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	4	0.22
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	4	0.22
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	19	0.22
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	15	0.22
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	15	0.22
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	15	0.22
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	9	0.22
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	20	0.22
(1,793)	1:451:A:LYS:HG3	1:451:A:LYS:HE2	11	0.22
(1,793)	1:451:A:LYS:HG3	1:451:A:LYS:HE2	18	0.22
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	18	0.22
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	5	0.22
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	5	0.22
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	5	0.22
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	5	0.22
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	5	0.22
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	5	0.22
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	5	0.22
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	5	0.22
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	5	0.22
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	14	0.22
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	20	0.22
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	1	0.22
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	6	0.22
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	10	0.22
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	1	0.22
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	1	0.22
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	1	0.22
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	19	0.22
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	19	0.22
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	19	0.22
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	6	0.22
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	5	0.22
(1,686)	1:394:A:LYS:HD3	1:394:A:LYS:HG2	14	0.22
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	13	0.22
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	4	0.22
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	3	0.22
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	9	0.22
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	13	0.22
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	10	0.22
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	10	0.22
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	10	0.22
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	4	0.22
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	4	0.22
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	4	0.22
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	5	0.22
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	5	0.22
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	5	0.22
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	8	0.22
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	8	0.22
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	8	0.22
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	12	0.22
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	12	0.22
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	12	0.22
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	16	0.22
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	16	0.22
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	16	0.22
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	7	0.22
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	7	0.22
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	2	0.22
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	3	0.22
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	4	0.22
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	5	0.22
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	14	0.22
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	15	0.22
(1,461)	1:456:A:MET:HB2	1:456:A:MET:HG2	18	0.22
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	9	0.22
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	3	0.22
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	10	0.22
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	14	0.22
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	16	0.22
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	19	0.22
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	20	0.22
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	15	0.22
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	17	0.22
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	1	0.22
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	3	0.22
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	12	0.22
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	17	0.22
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	4	0.22
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	5	0.22
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	5	0.22
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	5	0.22
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	8	0.22
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	8	0.22
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	8	0.22
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	1	0.22
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	11	0.22
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	20	0.22
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	9	0.22
(1,186)	1:413:A:ILE:HG21	1:414:A:ASP:H	20	0.22
(1,186)	1:413:A:ILE:HG22	1:414:A:ASP:H	20	0.22
(1,186)	1:413:A:ILE:HG23	1:414:A:ASP:H	20	0.22
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	17	0.22
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	17	0.22
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	17	0.22
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	2	0.22
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	15	0.22
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	17	0.22
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	11	0.22
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	12	0.22
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	11	0.22
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	20	0.22
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	5	0.22
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	5	0.22
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	5	0.22
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	14	0.22
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	14	0.22
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	14	0.22
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	15	0.22
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	15	0.22
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	15	0.22
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	5	0.21
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	9	0.21
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	10	0.21
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	15	0.21
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	15	0.21
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG21	16	0.21
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG22	16	0.21
(1,4152)	1:375:A:THR:H	1:375:A:THR:HG23	16	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	3	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	6	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	8	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	9	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	10	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	11	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	13	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	15	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	17	0.21
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	19	0.21
(1,4092)	1:345:A:ILE:H	1:344:A:TYR:HB2	6	0.21
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	12	0.21
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	1	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	1	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	3	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	4	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	5	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	7	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	9	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	10	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	12	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	14	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	17	0.21
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	18	0.21
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	3	0.21
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	16	0.21
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	19	0.21
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	2	0.21
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	7	0.21
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	13	0.21
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	16	0.21
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	7	0.21
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	11	0.21
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	16	0.21
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	12	0.21
(1,3858)	1:434:A:TRP:HE1	1:352:A:GLN:HG3	16	0.21
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	2	0.21
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	2	0.21
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	9	0.21
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	9	0.21
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	9	0.21
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	15	0.21
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	15	0.21
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	15	0.21
(1,3818)	1:424:A:ASP:H	1:424:A:ASP:HB3	18	0.21
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	1	0.21
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	5	0.21
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	7	0.21
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	15	0.21
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	19	0.21
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	4	0.21
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	6	0.21
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	12	0.21
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	16	0.21
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	17	0.21
(1,3730)	1:341:A:GLU:H	1:341:A:GLU:HB3	2	0.21
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	11	0.21
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	7	0.21
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	6	0.21
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	7	0.21
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	9	0.21
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	12	0.21
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	14	0.21
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	17	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	1	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	3	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	4	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	5	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	6	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	8	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	9	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	10	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	12	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	13	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	17	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	18	0.21
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	19	0.21
(1,3674)	1:341:A:GLU:H	1:341:A:GLU:HB2	7	0.21
(1,3674)	1:341:A:GLU:H	1:341:A:GLU:HB2	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3674)	1:341:A:GLU:H	1:341:A:GLU:HB2	16	0.21
(1,3658)	1:428:A:GLU:H	1:427:A:PRO:HD2	9	0.21
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	4	0.21
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	5	0.21
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	9	0.21
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	18	0.21
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	19	0.21
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	11	0.21
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	12	0.21
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	14	0.21
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	14	0.21
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	14	0.21
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	7	0.21
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	7	0.21
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	7	0.21
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	13	0.21
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	13	0.21
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	13	0.21
(1,3446)	1:415:A:TRP:HZ3	1:415:A:TRP:HB2	5	0.21
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	7	0.21
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	11	0.21
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	7	0.21
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	16	0.21
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	16	0.21
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	16	0.21
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	20	0.21
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	20	0.21
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	20	0.21
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	10	0.21
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	5	0.21
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	9	0.21
(1,3288)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	17	0.21
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	8	0.21
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	18	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	7	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	7	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	7	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	8	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	8	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	8	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	11	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	11	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	13	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	13	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	13	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	15	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	15	0.21
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	15	0.21
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	1	0.21
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	1	0.21
(1,3194)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	2	0.21
(1,3194)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	2	0.21
(1,3159)	1:446:A:PRO:HA	1:445:A:THR:HA	18	0.21
(1,3061)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	4	0.21
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	9	0.21
(1,3006)	1:340:A:MET:HB3	1:339:A:HIS:HA	19	0.21
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	11	0.21
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	12	0.21
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	13	0.21
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	19	0.21
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	14	0.21
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	17	0.21
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	2	0.21
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	1	0.21
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	2	0.21
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	5	0.21
(1,2763)	1:402:A:PRO:HG3	1:403:A:TYR:H	19	0.21
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	13	0.21
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	14	0.21
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	17	0.21
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	15	0.21
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	2	0.21
(1,2515)	1:349:A:LEU:HD21	1:370:A:SER:HB2	13	0.21
(1,2515)	1:349:A:LEU:HD22	1:370:A:SER:HB2	13	0.21
(1,2515)	1:349:A:LEU:HD23	1:370:A:SER:HB2	13	0.21
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	5	0.21
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	5	0.21
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	5	0.21
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	6	0.21
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	6	0.21
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	6	0.21
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	7	0.21
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	7	0.21
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	9	0.21
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	11	0.21
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	16	0.21
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	5	0.21
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	10	0.21
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	20	0.21
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	16	0.21
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	7	0.21
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	6	0.21
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	6	0.21
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	6	0.21
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	9	0.21
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	9	0.21
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	9	0.21
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	12	0.21
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	12	0.21
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	12	0.21
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	2	0.21
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	2	0.21
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	2	0.21
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	3	0.21
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	3	0.21
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	3	0.21
(1,2388)	1:437:A:ARG:HG2	1:437:A:ARG:HE	13	0.21
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	6	0.21
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	16	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	1	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	1	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	1	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	3	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	3	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	3	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	4	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	4	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	4	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	5	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	5	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	5	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	6	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	6	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	7	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	7	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	7	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	8	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	8	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	8	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	9	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	9	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	9	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	10	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	10	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	10	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	11	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	11	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	11	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	12	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	12	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	12	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	13	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	13	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	13	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	14	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	14	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	14	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	15	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	15	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	15	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	16	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	16	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	16	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	17	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	17	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	17	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	18	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	18	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	18	0.21
(1,2264)	1:453:A:LEU:HD21	1:453:A:LEU:HG	20	0.21
(1,2264)	1:453:A:LEU:HD22	1:453:A:LEU:HG	20	0.21
(1,2264)	1:453:A:LEU:HD23	1:453:A:LEU:HG	20	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	1	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	1	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	2	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	2	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	2	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	3	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	3	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	3	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	4	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	4	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	4	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	5	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	5	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	5	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	7	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	7	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	7	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	8	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	8	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	8	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	9	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	9	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	9	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	10	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	10	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	10	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	11	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	11	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	11	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	12	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	12	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	12	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	13	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	13	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	13	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	14	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	14	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	14	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	15	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	15	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	15	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	16	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	16	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	17	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	17	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	17	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	19	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	19	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	19	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	20	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	20	0.21
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	20	0.21
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	3	0.21
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	6	0.21
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	8	0.21
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	9	0.21
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	13	0.21
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	14	0.21
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	15	0.21
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	16	0.21
(1,2170)	1:451:A:LYS:HG2	1:451:A:LYS:HD3	19	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	2	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	3	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	4	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	5	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	6	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	8	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	10	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	11	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	12	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	13	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	14	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	15	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	16	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	17	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	18	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	19	0.21
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	20	0.21
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	3	0.21
(1,2131)	1:366:A:THR:HA	1:367:A:ASP:HB2	13	0.21
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	2	0.21
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	16	0.21
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	17	0.21
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	17	0.21
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	10	0.21
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	19	0.21
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	6	0.21
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	11	0.21
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	15	0.21
(1,2018)	1:435:A:LYS:HE3	1:435:A:LYS:HG2	20	0.21
(1,2005)	1:366:A:THR:HG21	1:367:A:ASP:H	4	0.21
(1,2005)	1:366:A:THR:HG22	1:367:A:ASP:H	4	0.21
(1,2005)	1:366:A:THR:HG23	1:367:A:ASP:H	4	0.21
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	14	0.21
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	18	0.21
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	9	0.21
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	6	0.21
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	9	0.21
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	17	0.21
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	1	0.21
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	1	0.21
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	1	0.21
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	11	0.21
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	11	0.21
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	11	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	3	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	3	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	3	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	4	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	4	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	4	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	6	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	6	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	6	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	8	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	8	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	8	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	9	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	9	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	9	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	10	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	10	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	10	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	11	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	11	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	13	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	13	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	13	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	14	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	14	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	14	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	15	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	15	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	15	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	16	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	16	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	16	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	17	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	17	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	17	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	19	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	19	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	19	0.21
(1,1960)	1:453:A:LEU:HD11	1:453:A:LEU:HG	20	0.21
(1,1960)	1:453:A:LEU:HD12	1:453:A:LEU:HG	20	0.21
(1,1960)	1:453:A:LEU:HD13	1:453:A:LEU:HG	20	0.21
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	16	0.21
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	16	0.21
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	1	0.21
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	4	0.21
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	15	0.21
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	1	0.21
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	2	0.21
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	7	0.21
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	18	0.21
(1,1855)	1:357:A:TYR:HA	1:357:A:TYR:HB3	13	0.21
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	9	0.21
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	9	0.21
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	9	0.21
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	9	0.21
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	9	0.21
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	9	0.21
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	9	0.21
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	9	0.21
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	9	0.21
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG11	2	0.21
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG12	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:449:A:VAL:HA	1:449:A:VAL:HG13	2	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	1	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	1	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	1	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	11	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	11	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	11	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	12	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	12	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	12	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	16	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	16	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	16	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	20	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	20	0.21
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	20	0.21
(1,1725)	1:340:A:MET:HG3	1:340:A:MET:H	5	0.21
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	14	0.21
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	14	0.21
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	14	0.21
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	15	0.21
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	15	0.21
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	15	0.21
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	11	0.21
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	3	0.21
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	5	0.21
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	7	0.21
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	19	0.21
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	1	0.21
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	1	0.21
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	1	0.21
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	6	0.21
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	6	0.21
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	6	0.21
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	10	0.21
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	10	0.21
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	10	0.21
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	11	0.21
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	11	0.21
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	11	0.21
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	15	0.21
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	15	0.21
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	2	0.21
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	6	0.21
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	9	0.21
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	11	0.21
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	16	0.21
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	17	0.21
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	19	0.21
(1,1545)	1:456:A:MET:HB3	1:456:A:MET:HG2	20	0.21
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	1	0.21
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	1	0.21
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	8	0.21
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	7	0.21
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	1	0.21
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	4	0.21
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	15	0.21
(1,1449)	1:402:A:PRO:HD3	1:402:A:PRO:HA	19	0.21
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	6	0.21
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	1	0.21
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	6	0.21
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	8	0.21
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	10	0.21
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	17	0.21
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	18	0.21
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	20	0.21
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	7	0.21
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	7	0.21
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	15	0.21
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	9	0.21
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	14	0.21
(1,1216)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	11	0.21
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	5	0.21
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	5	0.21
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	5	0.21
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	7	0.21
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	7	0.21
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	7	0.21
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	11	0.21
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	11	0.21
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	11	0.21
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	15	0.21
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	13	0.21
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	13	0.21
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	2	0.21
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	4	0.21
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	9	0.21
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	12	0.21
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	13	0.21
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	13	0.21
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	4	0.21
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	7	0.21
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	2	0.21
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	2	0.21
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	2	0.21
(1,982)	1:363:A:ALA:HB1	1:355:A:TRP:HA	19	0.21
(1,982)	1:363:A:ALA:HB2	1:355:A:TRP:HA	19	0.21
(1,982)	1:363:A:ALA:HB3	1:355:A:TRP:HA	19	0.21
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	6	0.21
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	1	0.21
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	1	0.21
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	1	0.21
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	11	0.21
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	11	0.21
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	11	0.21
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	14	0.21
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	14	0.21
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	14	0.21
(1,891)	1:343:A:THR:HG21	1:344:A:TYR:H	18	0.21
(1,891)	1:343:A:THR:HG22	1:344:A:TYR:H	18	0.21
(1,891)	1:343:A:THR:HG23	1:344:A:TYR:H	18	0.21
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	6	0.21
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	10	0.21
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	13	0.21
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	13	0.21
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	13	0.21
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	15	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	9	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	9	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	9	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	9	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	9	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	9	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	9	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	9	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	14	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	14	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	14	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	14	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	14	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	14	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	14	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	14	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	14	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	15	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	15	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	15	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	15	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	15	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	15	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	15	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	15	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	15	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	18	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	18	0.21
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	18	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	18	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	18	0.21
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	18	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	18	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	18	0.21
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	18	0.21
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	3	0.21
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	9	0.21
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	11	0.21
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	12	0.21
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	13	0.21
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	16	0.21
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	18	0.21
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	8	0.21
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	8	0.21
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	8	0.21
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	14	0.21
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	14	0.21
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	20	0.21
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	20	0.21
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	20	0.21
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	7	0.21
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	7	0.21
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	7	0.21
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	8	0.21
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	8	0.21
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	8	0.21
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	11	0.21
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	11	0.21
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	11	0.21
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	20	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	1	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	8	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	9	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	11	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	12	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	13	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	14	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	15	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	16	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	17	0.21
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	18	0.21
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	11	0.21
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	17	0.21
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	1	0.21
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	5	0.21
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	12	0.21
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	15	0.21
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	5	0.21
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	10	0.21
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	20	0.21
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	2	0.21
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	17	0.21
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	17	0.21
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	17	0.21
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	9	0.21
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	9	0.21
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	9	0.21
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	8	0.21
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	17	0.21
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	17	0.21
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	17	0.21
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	11	0.21
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	11	0.21
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	11	0.21
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	2	0.21
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	5	0.21
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	11	0.21
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	13	0.21
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	14	0.21
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	15	0.21
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	16	0.21
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	18	0.21
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	20	0.21
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	3	0.21
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	4	0.21
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	10	0.21
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	2	0.21
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	4	0.21
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	9	0.21
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	12	0.21
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	3	0.21
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	9	0.21
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	13	0.21
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	12	0.21
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	15	0.21
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	19	0.21
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	1	0.21
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	4	0.21
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	4	0.21
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	4	0.21
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	11	0.21
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	11	0.21
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	11	0.21
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	14	0.21
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	14	0.21
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	14	0.21
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	8	0.21
(1,238)	1:458:A:GLU:HB2	1:457:A:VAL:HA	18	0.21
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	4	0.21
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	4	0.21
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	14	0.21
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	14	0.21
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	14	0.21
(1,155)	1:398:A:ASP:HB2	1:398:A:ASP:HA	12	0.21
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	11	0.21
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	11	0.21
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	11	0.21
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	20	0.21
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	20	0.21
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	20	0.21
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	20	0.21
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	2	0.21
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	9	0.21
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	11	0.21
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	18	0.21
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	13	0.21
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	14	0.21
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	14	0.21
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	14	0.21
(1,4223)	1:434:A:TRP:HE1	1:432:A:ASP:HB2	19	0.2
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	8	0.2
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	15	0.2
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	20	0.2
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	11	0.2
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	4	0.2
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	5	0.2
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	10	0.2
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	11	0.2
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	13	0.2
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	20	0.2
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	3	0.2
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	8	0.2
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	1	0.2
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	2	0.2
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	4	0.2
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	5	0.2
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	7	0.2
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	12	0.2
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	16	0.2
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	18	0.2
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	2	0.2
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	3	0.2
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	4	0.2
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	8	0.2
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	13	0.2
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	18	0.2
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	20	0.2
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	2	0.2
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	3	0.2
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	18	0.2
(1,3951)	1:395:A:GLY:H	1:395:A:GLY:HA2	2	0.2
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	2	0.2
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	4	0.2
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	9	0.2
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	15	0.2
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	18	0.2
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	1	0.2
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	9	0.2
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	1	0.2
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	6	0.2
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	6	0.2
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	6	0.2
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	9	0.2
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	9	0.2
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	9	0.2
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	1	0.2
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	6	0.2
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	7	0.2
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	9	0.2
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	10	0.2
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	13	0.2
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	15	0.2
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	17	0.2
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	17	0.2
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	17	0.2
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	16	0.2
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	9	0.2
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	13	0.2
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	14	0.2
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	7	0.2
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	19	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	4	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	4	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	8	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	8	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	8	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	15	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	15	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	15	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	20	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	20	0.2
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	20	0.2
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	4	0.2
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	18	0.2
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	1	0.2
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	2	0.2
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	4	0.2
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	10	0.2
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	13	0.2
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	15	0.2
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	19	0.2
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	2	0.2
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	7	0.2
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	16	0.2
(1,3679)	1:421:A:HIS:H	1:421:A:HIS:HA	20	0.2
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	6	0.2
(1,3669)	1:399:A:ASP:H	1:400:A:GLY:H	14	0.2
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	16	0.2
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	16	0.2
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	1	0.2
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	6	0.2
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	7	0.2
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	9	0.2
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	10	0.2
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	13	0.2
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	15	0.2
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	1	0.2
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	1	0.2
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	1	0.2
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	5	0.2
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	5	0.2
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	5	0.2
(1,3568)	1:444:A:ASN:H	1:368:A:ILE:HB	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	14	0.2
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	14	0.2
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	14	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	1	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	1	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	1	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	2	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	2	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	2	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	6	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	6	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	6	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	7	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	7	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	7	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	17	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	17	0.2
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	17	0.2
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	1	0.2
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	5	0.2
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	10	0.2
(1,3390)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	5	0.2
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	11	0.2
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	11	0.2
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	11	0.2
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	9	0.2
(1,3293)	1:409:A:TYR:HE1	1:408:A:ASN:HB3	17	0.2
(1,3293)	1:409:A:TYR:HE2	1:408:A:ASN:HB3	17	0.2
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	8	0.2
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	8	0.2
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	8	0.2
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	16	0.2
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	16	0.2
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	16	0.2
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	12	0.2
(1,3223)	1:410:A:TRP:HE3	1:421:A:HIS:HA	20	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	2	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	2	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	2	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	9	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	9	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	14	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	14	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	14	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	19	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	19	0.2
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	19	0.2
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	1	0.2
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	16	0.2
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	6	0.2
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	11	0.2
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	4	0.2
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	3	0.2
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	5	0.2
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	8	0.2
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	20	0.2
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	6	0.2
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	16	0.2
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	19	0.2
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	19	0.2
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	19	0.2
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	13	0.2
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	13	0.2
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	13	0.2
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	9	0.2
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	10	0.2
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	15	0.2
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	6	0.2
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	6	0.2
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	6	0.2
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	9	0.2
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	9	0.2
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	9	0.2
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	1	0.2
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	7	0.2
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	10	0.2
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	11	0.2
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	12	0.2
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	4	0.2
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	9	0.2
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	10	0.2
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	19	0.2
(1,2747)	1:361:A:LYS:HB2	1:361:A:LYS:HD3	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	5	0.2
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	5	0.2
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	5	0.2
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	15	0.2
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	15	0.2
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	15	0.2
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	6	0.2
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	6	0.2
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	6	0.2
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	7	0.2
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	7	0.2
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	7	0.2
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	9	0.2
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	9	0.2
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	9	0.2
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	16	0.2
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	16	0.2
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	16	0.2
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	18	0.2
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	18	0.2
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	18	0.2
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	19	0.2
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	19	0.2
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	19	0.2
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	4	0.2
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	4	0.2
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	4	0.2
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	10	0.2
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	10	0.2
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	10	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	1	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	1	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	1	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	2	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	2	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	2	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	8	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	8	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	8	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	9	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	9	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	15	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	15	0.2
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	15	0.2
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	8	0.2
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	13	0.2
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	15	0.2
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	1	0.2
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	13	0.2
(1,2488)	1:459:A:LYS:HG3	1:459:A:LYS:HD3	11	0.2
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	5	0.2
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	13	0.2
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	16	0.2
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	6	0.2
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	14	0.2
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	20	0.2
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	20	0.2
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	20	0.2
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	20	0.2
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	20	0.2
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	20	0.2
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	18	0.2
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	18	0.2
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	18	0.2
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	2	0.2
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	10	0.2
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	11	0.2
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	20	0.2
(1,2370)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	8	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	2	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	3	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	4	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	8	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	9	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	10	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	11	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	13	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	15	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	17	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	18	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	19	0.2
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	20	0.2
(1,2259)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	6	0.2
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	6	0.2
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	6	0.2
(1,2142)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	9	0.2
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	5	0.2
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	6	0.2
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	8	0.2
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	12	0.2
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	18	0.2
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	20	0.2
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	18	0.2
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	9	0.2
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	16	0.2
(1,2086)	1:459:A:LYS:HB3	1:459:A:LYS:HE3	11	0.2
(1,2086)	1:459:A:LYS:HB3	1:459:A:LYS:HE3	18	0.2
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	13	0.2
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	1	0.2
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	4	0.2
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	6	0.2
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	7	0.2
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	8	0.2
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	11	0.2
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	12	0.2
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	1	0.2
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	3	0.2
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	5	0.2
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	12	0.2
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	16	0.2
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	17	0.2
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	12	0.2
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	3	0.2
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	3	0.2
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	3	0.2
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	7	0.2
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	7	0.2
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	7	0.2
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	9	0.2
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	9	0.2
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	9	0.2
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	10	0.2
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	10	0.2
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	12	0.2
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	12	0.2
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	12	0.2
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	14	0.2
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	14	0.2
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	14	0.2
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	17	0.2
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	17	0.2
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	17	0.2
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	20	0.2
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	20	0.2
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	20	0.2
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	1	0.2
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	8	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	3	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	4	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	5	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	8	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	9	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	10	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	11	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	12	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	13	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	14	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	15	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	16	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	17	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	19	0.2
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	20	0.2
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	12	0.2
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	12	0.2
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	12	0.2
(1,1860)	1:420:A:ILE:HB	1:420:A:ILE:HG13	5	0.2
(1,1860)	1:420:A:ILE:HB	1:420:A:ILE:HG13	15	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	2	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	2	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	2	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	2	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	2	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	2	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	2	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	2	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	3	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	3	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	3	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	3	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	3	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	3	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	3	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	3	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	3	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	5	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	5	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	5	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	5	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	5	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	5	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	5	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	5	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	5	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	6	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	6	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	6	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	6	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	6	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	6	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	6	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	6	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	6	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	10	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	10	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	10	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	10	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	10	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	10	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	10	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	10	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	10	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	11	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	11	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	11	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	11	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	11	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	11	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	11	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	11	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	13	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	13	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	13	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	13	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	13	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	13	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	13	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	13	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	13	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	17	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	17	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	17	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	17	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	17	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	17	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	17	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	17	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	17	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	18	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	18	0.2
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	18	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	18	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	18	0.2
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	18	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	18	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	18	0.2
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	18	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	1	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	2	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	3	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	4	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	6	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	7	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	8	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	9	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	10	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	12	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	14	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	15	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	16	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	17	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	18	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	19	0.2
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	20	0.2
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	4	0.2
(1,1757)	1:367:A:ASP:HB3	1:368:A:ILE:H	16	0.2
(1,1751)	1:399:A:ASP:HB3	1:399:A:ASP:HA	5	0.2
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	17	0.2
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	17	0.2
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	17	0.2
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	19	0.2
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	19	0.2
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	19	0.2
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	7	0.2
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	7	0.2
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	7	0.2
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	17	0.2
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	17	0.2
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	17	0.2
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	8	0.2
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	20	0.2
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE1	15	0.2
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE2	15	0.2
(1,1647)	1:340:A:MET:HA	1:340:A:MET:HE3	15	0.2
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	9	0.2
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	9	0.2
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	1	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	1	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	2	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	3	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	6	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	9	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	10	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	11	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	12	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	13	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	14	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	16	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	18	0.2
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	20	0.2
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	4	0.2
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	4	0.2
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	4	0.2
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	8	0.2
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	8	0.2
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	8	0.2
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	13	0.2
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	13	0.2
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	13	0.2
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	15	0.2
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	15	0.2
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	15	0.2
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	16	0.2
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	16	0.2
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	16	0.2
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	18	0.2
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	18	0.2
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	18	0.2
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	20	0.2
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	20	0.2
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	20	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	3	0.2
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	3	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	3	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	4	0.2
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	4	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	4	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	5	0.2
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	5	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	5	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	7	0.2
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	7	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	7	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	8	0.2
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	8	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	8	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	9	0.2
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	9	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	9	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	14	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	14	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	17	0.2
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	17	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	17	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	18	0.2
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	18	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	18	0.2
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	20	0.2
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	20	0.2
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	20	0.2
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	11	0.2
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	7	0.2
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	18	0.2
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	2	0.2
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	18	0.2
(1,1512)	1:341:A:GLU:HG3	1:342:A:ASP:H	2	0.2
(1,1508)	1:413:A:ILE:HD11	1:419:A:GLY:H	19	0.2
(1,1508)	1:413:A:ILE:HD12	1:419:A:GLY:H	19	0.2
(1,1508)	1:413:A:ILE:HD13	1:419:A:GLY:H	19	0.2
(1,1448)	1:437:A:ARG:HD3	1:437:A:ARG:HA	5	0.2
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	11	0.2
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	5	0.2
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	7	0.2
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	12	0.2
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	14	0.2
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	19	0.2
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	5	0.2
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	14	0.2
(1,1343)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	5	0.2
(1,1343)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	8	0.2
(1,1343)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	20	0.2
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	10	0.2
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	14	0.2
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	3	0.2
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	6	0.2
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	10	0.2
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	11	0.2
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	20	0.2
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	12	0.2
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	12	0.2
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	6	0.2
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	3	0.2
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	3	0.2
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	3	0.2
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG21	13	0.2
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG22	13	0.2
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG23	13	0.2
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	17	0.2
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	17	0.2
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	17	0.2
(1,1136)	1:378:A:PRO:HD2	1:377:A:THR:HA	5	0.2
(1,1091)	1:459:A:LYS:HG2	1:459:A:LYS:HE2	14	0.2
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	8	0.2
(1,1072)	1:449:A:VAL:HG21	1:449:A:VAL:H	14	0.2
(1,1072)	1:449:A:VAL:HG22	1:449:A:VAL:H	14	0.2
(1,1072)	1:449:A:VAL:HG23	1:449:A:VAL:H	14	0.2
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	11	0.2
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	16	0.2
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	20	0.2
(1,997)	1:400:A:GLY:HA2	1:401:A:THR:H	7	0.2
(1,979)	1:340:A:MET:HE1	1:340:A:MET:HG2	4	0.2
(1,979)	1:340:A:MET:HE2	1:340:A:MET:HG2	4	0.2
(1,979)	1:340:A:MET:HE3	1:340:A:MET:HG2	4	0.2
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	5	0.2
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	9	0.2
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	14	0.2
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	15	0.2
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	17	0.2
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	5	0.2
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	5	0.2
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	5	0.2
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	7	0.2
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	7	0.2
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	7	0.2
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	16	0.2
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	16	0.2
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	16	0.2
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	20	0.2
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	20	0.2
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	20	0.2
(1,826)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	5	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	1	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	1	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	1	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	1	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	1	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	1	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	1	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	1	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	3	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	3	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	3	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	3	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	3	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	3	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	3	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	3	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	3	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	4	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	4	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	4	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	4	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	4	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	4	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	4	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	4	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	4	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	6	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	6	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	6	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	6	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	6	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	6	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	6	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	6	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	6	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	8	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	8	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	8	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	8	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	8	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	8	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	8	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	8	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	10	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	10	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	10	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	10	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	10	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	10	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	10	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	10	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	10	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	13	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	13	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	13	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	13	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	13	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	13	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	13	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	13	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	13	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	16	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	16	0.2
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	16	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	16	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	16	0.2
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	16	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	16	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	16	0.2
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	16	0.2
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	3	0.2
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	10	0.2
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	6	0.2
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	15	0.2
(1,732)	1:428:A:GLU:HB3	1:428:A:GLU:H	7	0.2
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	13	0.2
(1,723)	1:408:A:ASN:HB2	1:409:A:TYR:H	11	0.2
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	13	0.2
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	13	0.2
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	13	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	1	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	1	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	3	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	3	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	3	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	4	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	4	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	4	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	5	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	5	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	5	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	9	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	9	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	9	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	12	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	12	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	12	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	13	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	13	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	13	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	14	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	14	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	14	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	16	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	16	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	16	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	17	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	17	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	17	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	18	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	18	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	18	0.2
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	20	0.2
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	20	0.2
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	20	0.2
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	15	0.2
(1,669)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	9	0.2
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	13	0.2
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	13	0.2
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	13	0.2
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	17	0.2
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	2	0.2
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	3	0.2
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	5	0.2
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	6	0.2
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	7	0.2
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	10	0.2
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	19	0.2
(1,615)	1:358:A:LYS:HB3	1:358:A:LYS:HA	20	0.2
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	2	0.2
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	3	0.2
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	14	0.2
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	7	0.2
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	6	0.2
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	9	0.2
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	13	0.2
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	16	0.2
(1,577)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	11	0.2
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	6	0.2
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	10	0.2
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	9	0.2
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	9	0.2
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	9	0.2
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	18	0.2
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	18	0.2
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	18	0.2
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	15	0.2
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	15	0.2
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	15	0.2
(1,442)	1:416:A:THR:HB	1:417:A:GLY:HA2	19	0.2
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	1	0.2
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	3	0.2
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	4	0.2
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	6	0.2
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	7	0.2
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	8	0.2
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	10	0.2
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	12	0.2
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	17	0.2
(1,420)	1:447:A:PRO:HG3	1:447:A:PRO:HD2	19	0.2
(1,413)	1:393:A:LEU:HD21	1:392:A:THR:H	10	0.2
(1,413)	1:393:A:LEU:HD22	1:392:A:THR:H	10	0.2
(1,413)	1:393:A:LEU:HD23	1:392:A:THR:H	10	0.2
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	14	0.2
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	7	0.2
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	1	0.2
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	11	0.2
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	13	0.2
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	14	0.2
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	16	0.2
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	18	0.2
(1,320)	1:402:A:PRO:HB3	1:401:A:THR:HA	6	0.2
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	3	0.2
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	8	0.2
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	17	0.2
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	19	0.2
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	19	0.2
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	19	0.2
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	13	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	2	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	2	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	2	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	3	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	3	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	3	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	5	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	5	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	5	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	6	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	6	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	6	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	8	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	8	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	8	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	10	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	10	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	10	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	11	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	11	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	11	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	12	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	12	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	12	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	15	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	15	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	17	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	17	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	17	0.2
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	19	0.2
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	19	0.2
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	19	0.2
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	1	0.2
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	1	0.2
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	1	0.2
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	5	0.2
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	5	0.2
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	5	0.2
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	13	0.2
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	13	0.2
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	13	0.2
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	16	0.2
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	16	0.2
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	16	0.2
(1,94)	1:428:A:GLU:HG3	1:429:A:TYR:H	3	0.2
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	12	0.2
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	4	0.2
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	5	0.2
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	6	0.2
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	7	0.2
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	8	0.2
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	16	0.2
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	20	0.2
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	10	0.2
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	2	0.2
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	4	0.2
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	6	0.2
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	6	0.2
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	6	0.2
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	8	0.2
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	8	0.2
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	8	0.2
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	9	0.2
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	9	0.2
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	9	0.2
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	18	0.2
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	18	0.2
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	4	0.2
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	12	0.2
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	17	0.2
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	5	0.2
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	5	0.2
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	5	0.2
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	19	0.19
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	11	0.19
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	12	0.19
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	18	0.19
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	18	0.19
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	18	0.19
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	2	0.19
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	16	0.19
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	2	0.19
(1,4100)	1:436:A:THR:H	1:435:A:LYS:HG2	13	0.19
(1,4093)	1:452:A:GLU:H	1:451:A:LYS:HB3	14	0.19
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	11	0.19
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	5	0.19
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	6	0.19
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	8	0.19
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	20	0.19
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	4	0.19
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	7	0.19
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	7	0.19
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	7	0.19
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	10	0.19
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	10	0.19
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	10	0.19
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	12	0.19
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	12	0.19
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	12	0.19
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	8	0.19
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	11	0.19
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	16	0.19
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	19	0.19
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	5	0.19
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	5	0.19
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	5	0.19
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	19	0.19
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	19	0.19
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3806)	1:366:A:THR:H	1:365:A:GLU:HB3	2	0.19
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	18	0.19
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	2	0.19
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	2	0.19
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	2	0.19
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	7	0.19
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	7	0.19
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	7	0.19
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	19	0.19
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	5	0.19
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	1	0.19
(1,3630)	1:351:A:ASN:H	1:351:A:ASN:HB2	1	0.19
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	8	0.19
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	11	0.19
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	16	0.19
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	19	0.19
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	4	0.19
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	4	0.19
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	4	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	1	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	1	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	1	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	4	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	4	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	4	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	15	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	15	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	15	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	16	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	16	0.19
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	16	0.19
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	2	0.19
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	8	0.19
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	8	0.19
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	8	0.19
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	14	0.19
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	14	0.19
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	14	0.19
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	12	0.19
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	12	0.19
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	12	0.19
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	19	0.19
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	19	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	5	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	5	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	5	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	10	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	10	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	10	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	11	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	11	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	11	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	14	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	14	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	14	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	15	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	15	0.19
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	15	0.19
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	6	0.19
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	6	0.19
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	6	0.19
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	3	0.19
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	9	0.19
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	12	0.19
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	16	0.19
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	8	0.19
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	15	0.19
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	1	0.19
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	1	0.19
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	1	0.19
(1,3230)	1:454:A:PHE:HE1	1:389:A:GLU:HG3	16	0.19
(1,3230)	1:454:A:PHE:HE2	1:389:A:GLU:HG3	16	0.19
(1,3224)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	15	0.19
(1,3224)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	15	0.19
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	4	0.19
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	4	0.19
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	4	0.19
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	5	0.19
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	7	0.19
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	18	0.19
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	19	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	1	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	1	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	2	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	2	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	2	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	3	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	3	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	3	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	4	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	4	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	4	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	5	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	5	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	5	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	6	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	6	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	6	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	7	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	7	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	7	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	8	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	8	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	8	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	9	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	9	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	9	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	10	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	10	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	10	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	12	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	12	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	12	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	13	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	13	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	13	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	14	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	14	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	14	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	16	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	16	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	16	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	17	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	17	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	18	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	18	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	18	0.19
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	20	0.19
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	20	0.19
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	20	0.19
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	4	0.19
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	15	0.19
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	8	0.19
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	5	0.19
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	18	0.19
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	20	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	1	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	1	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	1	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	3	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	3	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	3	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	4	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	4	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	4	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	6	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	6	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	6	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	8	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	8	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	8	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	9	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	9	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	9	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	10	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	10	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	10	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	11	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	11	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	11	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	12	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	12	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	12	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	14	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	14	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	15	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	15	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	15	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	17	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	17	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	17	0.19
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	18	0.19
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	18	0.19
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	18	0.19
(1,2843)	1:433:A:LEU:HG	1:433:A:LEU:HB2	3	0.19
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	7	0.19
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	7	0.19
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	7	0.19
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	10	0.19
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	10	0.19
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	10	0.19
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	12	0.19
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	12	0.19
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	12	0.19
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	8	0.19
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	9	0.19
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	15	0.19
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	5	0.19
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	7	0.19
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	12	0.19
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	16	0.19
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	20	0.19
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	14	0.19
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	1	0.19
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	1	0.19
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	1	0.19
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	3	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	1	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	1	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	1	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	2	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	2	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	2	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	3	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	3	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	4	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	4	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	4	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	5	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	5	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	5	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	8	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	8	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	8	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	10	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	10	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	10	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	11	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	11	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	11	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	12	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	12	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	12	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	13	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	13	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	13	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	14	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	14	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	14	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	15	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	15	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	15	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	17	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	17	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	17	0.19
(1,2693)	1:457:A:VAL:HG21	1:457:A:VAL:HB	20	0.19
(1,2693)	1:457:A:VAL:HG22	1:457:A:VAL:HB	20	0.19
(1,2693)	1:457:A:VAL:HG23	1:457:A:VAL:HB	20	0.19
(1,2683)	1:420:A:ILE:HD11	1:420:A:ILE:HA	1	0.19
(1,2683)	1:420:A:ILE:HD12	1:420:A:ILE:HA	1	0.19
(1,2683)	1:420:A:ILE:HD13	1:420:A:ILE:HA	1	0.19
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	2	0.19
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	2	0.19
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	2	0.19
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	6	0.19
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	6	0.19
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	16	0.19
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	16	0.19
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	16	0.19
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	4	0.19
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	4	0.19
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	4	0.19
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	4	0.19
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	4	0.19
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	4	0.19
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	7	0.19
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	7	0.19
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	7	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	3	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	3	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	3	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	4	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	4	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	4	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	5	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	5	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	5	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	6	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	6	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	6	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	7	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	7	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	7	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	10	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	10	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	10	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	11	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	11	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	11	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	12	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	12	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	12	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	13	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	13	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	13	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	14	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	14	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	16	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	16	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	16	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	17	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	17	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	17	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	18	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	18	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	18	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	19	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	19	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	19	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG11	20	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG12	20	0.19
(1,2595)	1:362:A:VAL:HB	1:362:A:VAL:HG13	20	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	1	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	3	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	5	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	6	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	7	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	9	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	10	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	11	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	12	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	14	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	16	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	17	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	18	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	19	0.19
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	20	0.19
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	5	0.19
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	6	0.19
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	7	0.19
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	10	0.19
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	17	0.19
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	8	0.19
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	14	0.19
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	14	0.19
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	20	0.19
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	18	0.19
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	18	0.19
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	18	0.19
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	18	0.19
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	18	0.19
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	18	0.19
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	18	0.19
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	18	0.19
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	3	0.19
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	10	0.19
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	11	0.19
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	8	0.19
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	8	0.19
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	8	0.19
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	15	0.19
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	15	0.19
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	15	0.19
(1,2386)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	5	0.19
(1,2370)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	14	0.19
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	1	0.19
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	5	0.19
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	7	0.19
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	14	0.19
(1,2313)	1:428:A:GLU:HB3	1:428:A:GLU:HG3	13	0.19
(1,2313)	1:428:A:GLU:HB3	1:428:A:GLU:HG3	18	0.19
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD11	18	0.19
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD12	18	0.19
(1,2224)	1:464:A:LEU:HG	1:464:A:LEU:HD13	18	0.19
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	3	0.19
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	4	0.19
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	11	0.19
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	13	0.19
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	14	0.19
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	15	0.19
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	6	0.19
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	12	0.19
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	3	0.19
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	5	0.19
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	2	0.19
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	5	0.19
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	9	0.19
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	14	0.19
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	15	0.19
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	17	0.19
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	18	0.19
(1,2044)	1:435:A:LYS:HA	1:435:A:LYS:HB2	20	0.19
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	20	0.19
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	20	0.19
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	20	0.19
(1,1991)	1:395:A:GLY:HA2	1:396:A:THR:H	2	0.19
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	2	0.19
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	2	0.19
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	2	0.19
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	4	0.19
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	4	0.19
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	4	0.19
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	6	0.19
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	6	0.19
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	6	0.19
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	8	0.19
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	8	0.19
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	8	0.19
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	13	0.19
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	13	0.19
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	13	0.19
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	15	0.19
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	15	0.19
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	15	0.19
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	16	0.19
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	16	0.19
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	16	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	1	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	1	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	1	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	2	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	2	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	2	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	3	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	3	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	3	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	4	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	4	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	4	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	5	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	5	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	6	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	6	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	6	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	7	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	7	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	7	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	8	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	8	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	8	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	9	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	9	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	9	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	10	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	10	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	10	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	11	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	11	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	11	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	13	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	13	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	13	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	14	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	14	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	14	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	15	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	15	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	15	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	16	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	16	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	16	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	17	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	17	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	17	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	18	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	18	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	18	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	19	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	19	0.19
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	19	0.19
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	20	0.19
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	20	0.19
(1,1939)	1:437:A:ARG:HG2	1:437:A:ARG:H	7	0.19
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	1	0.19
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	2	0.19
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	4	0.19
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	5	0.19
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	6	0.19
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	7	0.19
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	9	0.19
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	14	0.19
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	15	0.19
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	17	0.19
(1,1882)	1:402:A:PRO:HB2	1:402:A:PRO:HG2	6	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	7	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	7	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	7	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	7	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	7	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	7	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	7	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	7	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	7	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	8	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	8	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	8	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	8	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	8	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	8	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	8	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	8	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	8	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	12	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	12	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	12	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	12	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	12	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	12	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	12	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	12	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	12	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	14	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	14	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	14	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	14	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	14	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	14	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	14	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	14	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	15	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	15	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	15	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	15	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	15	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	15	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	15	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	15	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	15	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	19	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	19	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	19	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	19	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	19	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	19	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	19	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	19	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	19	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE1	20	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE2	20	0.19
(1,1834)	1:366:A:THR:HG21	1:354:A:MET:HE3	20	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE1	20	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE2	20	0.19
(1,1834)	1:366:A:THR:HG22	1:354:A:MET:HE3	20	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE1	20	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE2	20	0.19
(1,1834)	1:366:A:THR:HG23	1:354:A:MET:HE3	20	0.19
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	5	0.19
(1,1800)	1:433:A:LEU:HA	1:433:A:LEU:H	11	0.19
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	10	0.19
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	10	0.19
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	10	0.19
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	12	0.19
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	12	0.19
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	20	0.19
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	20	0.19
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	20	0.19
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	3	0.19
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	6	0.19
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	12	0.19
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	13	0.19
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	16	0.19
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	3	0.19
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	2	0.19
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	5	0.19
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	13	0.19
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	15	0.19
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	18	0.19
(1,1596)	1:458:A:GLU:HG2	1:458:A:GLU:H	5	0.19
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	2	0.19
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	6	0.19
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	7	0.19
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	9	0.19
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	4	0.19
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	8	0.19
(1,1586)	1:389:A:GLU:HB2	1:389:A:GLU:HA	15	0.19
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	1	0.19
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	1	0.19
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	1	0.19
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	3	0.19
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	3	0.19
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	3	0.19
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	5	0.19
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	5	0.19
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	5	0.19
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	6	0.19
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	6	0.19
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	6	0.19
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	7	0.19
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	7	0.19
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	7	0.19
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	10	0.19
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	10	0.19
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	10	0.19
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	11	0.19
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	11	0.19
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	12	0.19
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	12	0.19
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	12	0.19
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	17	0.19
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	17	0.19
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	17	0.19
(1,1583)	1:449:A:VAL:HG11	1:449:A:VAL:H	19	0.19
(1,1583)	1:449:A:VAL:HG12	1:449:A:VAL:H	19	0.19
(1,1583)	1:449:A:VAL:HG13	1:449:A:VAL:H	19	0.19
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	2	0.19
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	2	0.19
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	2	0.19
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	13	0.19
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	13	0.19
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	13	0.19
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	16	0.19
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	16	0.19
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	16	0.19
(1,1575)	1:443:A:ILE:HG21	1:443:A:ILE:HA	19	0.19
(1,1575)	1:443:A:ILE:HG22	1:443:A:ILE:HA	19	0.19
(1,1575)	1:443:A:ILE:HG23	1:443:A:ILE:HA	19	0.19
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	10	0.19
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	12	0.19
(1,1525)	1:459:A:LYS:HB3	1:459:A:LYS:HG3	16	0.19
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	19	0.19
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	19	0.19
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	3	0.19
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	9	0.19
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	16	0.19
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	3	0.19
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	11	0.19
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	14	0.19
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	16	0.19
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	12	0.19
(1,1385)	1:459:A:LYS:HG3	1:459:A:LYS:HB3	16	0.19
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	4	0.19
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	5	0.19
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	6	0.19
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	7	0.19
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	8	0.19
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	15	0.19
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	18	0.19
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	1	0.19
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	3	0.19
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	5	0.19
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	9	0.19
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	12	0.19
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	16	0.19
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	17	0.19
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	18	0.19
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	20	0.19
(1,1273)	1:459:A:LYS:HD2	1:459:A:LYS:HB3	18	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	6	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	7	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	8	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	9	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	10	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	11	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	12	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	13	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	16	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	17	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	19	0.19
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	20	0.19
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	3	0.19
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	4	0.19
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	17	0.19
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	19	0.19
(1,1214)	1:339:A:HIS:HB3	1:339:A:HIS:HA	15	0.19
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	1	0.19
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	1	0.19
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	1	0.19
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	8	0.19
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	8	0.19
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	8	0.19
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	20	0.19
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	20	0.19
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	20	0.19
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	8	0.19
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	8	0.19
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	8	0.19
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	8	0.19
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	8	0.19
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	8	0.19
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	8	0.19
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	8	0.19
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	19	0.19
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	19	0.19
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	19	0.19
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	19	0.19
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	19	0.19
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	19	0.19
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	19	0.19
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	19	0.19
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	19	0.19
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	6	0.19
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	6	0.19
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	15	0.19
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	3	0.19
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	3	0.19
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	3	0.19
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	9	0.19
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	9	0.19
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	9	0.19
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	5	0.19
(1,1086)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	4	0.19
(1,1086)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	11	0.19
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	2	0.19
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	9	0.19
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	10	0.19
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	11	0.19
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	15	0.19
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	16	0.19
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	17	0.19
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	20	0.19
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	2	0.19
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	8	0.19
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	9	0.19
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	12	0.19
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	13	0.19
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	14	0.19
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	15	0.19
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	13	0.19
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	17	0.19
(1,889)	1:341:A:GLU:HA	1:341:A:GLU:HB3	5	0.19
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	3	0.19
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	12	0.19
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	18	0.19
(1,851)	1:388:A:GLU:HB2	1:388:A:GLU:HA	19	0.19
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	3	0.19
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	3	0.19
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	3	0.19
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	10	0.19
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	10	0.19
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	10	0.19
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	14	0.19
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	14	0.19
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	14	0.19
(1,787)	1:428:A:GLU:HB2	1:428:A:GLU:HA	13	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	7	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	7	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	7	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	7	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	7	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	7	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	7	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	7	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	7	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	11	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	11	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	11	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	11	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	11	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	11	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	11	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	11	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	11	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	17	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	17	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	17	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	17	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	17	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	17	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	17	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	17	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	20	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	20	0.19
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	20	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	20	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	20	0.19
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	20	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	20	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	20	0.19
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	20	0.19
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	2	0.19
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	12	0.19
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	14	0.19
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	15	0.19
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	15	0.19
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	15	0.19
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	6	0.19
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	6	0.19
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	6	0.19
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	15	0.19
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	15	0.19
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	15	0.19
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	10	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	1	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	2	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	3	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	4	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	5	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	6	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	7	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	8	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	9	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	11	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	12	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	13	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	14	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	16	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	17	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	18	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	19	0.19
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	19	0.19
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	19	0.19
(1,660)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	19	0.19
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	11	0.19
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	12	0.19
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	6	0.19
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	16	0.19
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	18	0.19
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	4	0.19
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	6	0.19
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	8	0.19
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	13	0.19
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	14	0.19
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	16	0.19
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	16	0.19
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	18	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	1	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	2	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	3	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	4	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	7	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	8	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	10	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	12	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	17	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	18	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	19	0.19
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	20	0.19
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	13	0.19
(1,556)	1:372:A:LYS:HB2	1:372:A:LYS:H	7	0.19
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	3	0.19
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	3	0.19
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	3	0.19
(1,520)	1:427:A:PRO:HD3	1:427:A:PRO:HA	18	0.19
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	18	0.19
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	18	0.19
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	8	0.19
(1,437)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	7	0.19
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	20	0.19
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	5	0.19
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	8	0.19
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	8	0.19
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	8	0.19
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	8	0.19
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	8	0.19
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	8	0.19
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	8	0.19
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	8	0.19
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	19	0.19
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	19	0.19
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	19	0.19
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	19	0.19
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	19	0.19
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	19	0.19
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	19	0.19
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	19	0.19
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	19	0.19
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	3	0.19
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	6	0.19
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	9	0.19
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	18	0.19
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	13	0.19
(1,202)	1:436:A:THR:HB	1:437:A:ARG:HA	7	0.19
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	1	0.19
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	1	0.19
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	1	0.19
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	9	0.19
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	9	0.19
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	9	0.19
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	13	0.19
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	13	0.19
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	13	0.19
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	16	0.19
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	16	0.19
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	16	0.19
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	20	0.19
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	20	0.19
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	20	0.19
(1,155)	1:398:A:ASP:HB2	1:398:A:ASP:HA	6	0.19
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	7	0.19
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	7	0.19
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	7	0.19
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	8	0.19
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	8	0.19
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	9	0.19
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	9	0.19
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	9	0.19
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	15	0.19
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	15	0.19
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	15	0.19
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	18	0.19
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	18	0.19
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	18	0.19
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	16	0.19
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	3	0.19
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	10	0.19
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	12	0.19
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	19	0.19
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	1	0.19
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	1	0.19
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	1	0.19
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	3	0.19
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	5	0.19
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	10	0.19
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	1	0.19
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	1	0.19
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	1	0.19
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	3	0.19
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	3	0.19
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	3	0.19
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	4	0.19
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	4	0.19
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	4	0.19
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	12	0.19
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	12	0.19
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	12	0.19
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	2	0.19
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	3	0.19
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	6	0.19
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	7	0.19
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	8	0.19
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	9	0.19
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	10	0.19
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	15	0.19
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	19	0.19
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	1	0.19
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	1	0.19
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	1	0.19
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	4	0.19
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	4	0.19
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	4	0.19
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	15	0.19
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	15	0.19
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	15	0.19
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	16	0.19
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	16	0.19
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	16	0.19
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	14	0.18
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	5	0.18
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	19	0.18
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	3	0.18
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	7	0.18
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	12	0.18
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	15	0.18
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	17	0.18
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	19	0.18
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	5	0.18
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	18	0.18
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	14	0.18
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	9	0.18
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	11	0.18
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	10	0.18
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	3	0.18
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	4	0.18
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	6	0.18
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	12	0.18
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	17	0.18
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	13	0.18
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	20	0.18
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	6	0.18
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	19	0.18
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	5	0.18
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	11	0.18
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	12	0.18
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	15	0.18
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	1	0.18
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	15	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	11	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	11	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	11	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	17	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	17	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	17	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	20	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	20	0.18
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	20	0.18
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	3	0.18
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	17	0.18
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	20	0.18
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	6	0.18
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	6	0.18
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	6	0.18
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	9	0.18
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	9	0.18
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	9	0.18
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	18	0.18
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	18	0.18
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	18	0.18
(1,3781)	1:430:A:GLY:H	1:369:A:VAL:HA	7	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	3	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	3	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	3	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	12	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	12	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	12	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	17	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	17	0.18
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	17	0.18
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	2	0.18
(1,3689)	1:344:A:TYR:H	1:343:A:THR:HA	20	0.18
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	7	0.18
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	13	0.18
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	16	0.18
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	18	0.18
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	9	0.18
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	3	0.18
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	17	0.18
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	20	0.18
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	5	0.18
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	7	0.18
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	13	0.18
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	18	0.18
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	5	0.18
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	5	0.18
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	5	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	2	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	2	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	2	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	3	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	3	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	3	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	8	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	8	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	8	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	12	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	12	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	12	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	13	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	13	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	13	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	18	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	18	0.18
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	18	0.18
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	11	0.18
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	6	0.18
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	6	0.18
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	6	0.18
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	9	0.18
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	9	0.18
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	9	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	2	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	2	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	2	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	7	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	7	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	7	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	10	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	10	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	16	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	16	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	16	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	17	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	17	0.18
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	17	0.18
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	8	0.18
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	8	0.18
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	8	0.18
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	18	0.18
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	18	0.18
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	18	0.18
(1,3518)	1:371:A:GLY:H	1:377:A:THR:HB	14	0.18
(1,3493)	1:360:A:GLY:H	1:342:A:ASP:HB3	19	0.18
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	3	0.18
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	3	0.18
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	3	0.18
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	17	0.18
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	17	0.18
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	17	0.18
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	2	0.18
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	14	0.18
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	15	0.18
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	13	0.18
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	17	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	1	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	2	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	3	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	4	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	5	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	6	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	7	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	8	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	9	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	10	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	11	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	12	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	13	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	14	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	16	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	17	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	18	0.18
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	19	0.18
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	9	0.18
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	12	0.18
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	5	0.18
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	5	0.18
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	9	0.18
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	9	0.18
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	9	0.18
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	15	0.18
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	15	0.18
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	15	0.18
(1,3264)	1:454:A:PHE:HE1	1:387:A:LYS:HA	15	0.18
(1,3264)	1:454:A:PHE:HE2	1:387:A:LYS:HA	15	0.18
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	13	0.18
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	14	0.18
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	11	0.18
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	15	0.18
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	15	0.18
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	15	0.18
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	19	0.18
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	19	0.18
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	19	0.18
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	2	0.18
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	9	0.18
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	10	0.18
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	18	0.18
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	19	0.18
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	7	0.18
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	10	0.18
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	15	0.18
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	16	0.18
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	17	0.18
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	1	0.18
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	1	0.18
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	1	0.18
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	15	0.18
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	15	0.18
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	15	0.18
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	8	0.18
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	2	0.18
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	2	0.18
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	2	0.18
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	5	0.18
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	5	0.18
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	5	0.18
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	7	0.18
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	7	0.18
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	7	0.18
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	13	0.18
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	13	0.18
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	13	0.18
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	16	0.18
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	16	0.18
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	16	0.18
(1,2913)	1:349:A:LEU:HD11	1:349:A:LEU:HG	20	0.18
(1,2913)	1:349:A:LEU:HD12	1:349:A:LEU:HG	20	0.18
(1,2913)	1:349:A:LEU:HD13	1:349:A:LEU:HG	20	0.18
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	11	0.18
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	11	0.18
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	11	0.18
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	17	0.18
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	17	0.18
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	17	0.18
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	20	0.18
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	20	0.18
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	20	0.18
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	18	0.18
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	4	0.18
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	17	0.18
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	2	0.18
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	6	0.18
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	18	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	2	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	2	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	2	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	3	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	3	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	3	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	4	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	4	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	6	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	6	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	6	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	7	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	7	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	7	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	8	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	8	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	8	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	9	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	9	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	9	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	10	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	10	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	10	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	11	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	11	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	11	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	12	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	12	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	12	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	13	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	13	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	13	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	14	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	14	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	14	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	16	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	16	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	16	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	17	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	17	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	17	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	18	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	18	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	18	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	19	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	19	0.18
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	19	0.18
(1,2730)	1:420:A:ILE:HD11	1:420:A:ILE:HG13	20	0.18
(1,2730)	1:420:A:ILE:HD12	1:420:A:ILE:HG13	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2730)	1:420:A:ILE:HD13	1:420:A:ILE:HG13	20	0.18
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	13	0.18
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	13	0.18
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	13	0.18
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	13	0.18
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	1	0.18
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	1	0.18
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	1	0.18
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	9	0.18
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	9	0.18
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	9	0.18
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	7	0.18
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	2	0.18
(1,2557)	1:459:A:LYS:HD3	1:459:A:LYS:HE3	4	0.18
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	16	0.18
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	16	0.18
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	16	0.18
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	2	0.18
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	3	0.18
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	12	0.18
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	14	0.18
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	6	0.18
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	17	0.18
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	19	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	2	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	3	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	4	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	6	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	7	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	9	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	10	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	11	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	12	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	13	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	15	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	17	0.18
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	20	0.18
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	9	0.18
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	5	0.18
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	5	0.18
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	5	0.18
(1,2408)	1:450:A:MET:HE1	1:421:A:HIS:HB3	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:450:A:MET:HE2	1:421:A:HIS:HB3	8	0.18
(1,2408)	1:450:A:MET:HE3	1:421:A:HIS:HB3	8	0.18
(1,2330)	1:451:A:LYS:HB3	1:450:A:MET:HA	12	0.18
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	1	0.18
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	1	0.18
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	1	0.18
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	19	0.18
(1,2106)	1:457:A:VAL:HA	1:456:A:MET:H	9	0.18
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	3	0.18
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	1	0.18
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	4	0.18
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	7	0.18
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	8	0.18
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	7	0.18
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	11	0.18
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	19	0.18
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	2	0.18
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	4	0.18
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	6	0.18
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	8	0.18
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	11	0.18
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	18	0.18
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	18	0.18
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	18	0.18
(1,1944)	1:463:A:VAL:HG21	1:463:A:VAL:HB	12	0.18
(1,1944)	1:463:A:VAL:HG22	1:463:A:VAL:HB	12	0.18
(1,1944)	1:463:A:VAL:HG23	1:463:A:VAL:HB	12	0.18
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	3	0.18
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	10	0.18
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	11	0.18
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	12	0.18
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	13	0.18
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	15	0.18
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	15	0.18
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	15	0.18
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	2	0.18
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	2	0.18
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	2	0.18
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	3	0.18
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	3	0.18
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	3	0.18
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	6	0.18
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	6	0.18
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	9	0.18
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	9	0.18
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	9	0.18
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	13	0.18
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	13	0.18
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	13	0.18
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	1	0.18
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	18	0.18
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	11	0.18
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	13	0.18
(1,1646)	1:368:A:ILE:HD11	1:368:A:ILE:H	14	0.18
(1,1646)	1:368:A:ILE:HD12	1:368:A:ILE:H	14	0.18
(1,1646)	1:368:A:ILE:HD13	1:368:A:ILE:H	14	0.18
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	11	0.18
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	13	0.18
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	16	0.18
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	16	0.18
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	6	0.18
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	7	0.18
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	9	0.18
(1,1596)	1:458:A:GLU:HG2	1:458:A:GLU:H	12	0.18
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	4	0.18
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	16	0.18
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	19	0.18
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	13	0.18
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	20	0.18
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	10	0.18
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	10	0.18
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	20	0.18
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	11	0.18
(1,1423)	1:394:A:LYS:HG3	1:394:A:LYS:HE2	15	0.18
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	7	0.18
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	7	0.18
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	7	0.18
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	18	0.18
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	18	0.18
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	18	0.18
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	13	0.18
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	2	0.18
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	2	0.18
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	3	0.18
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	9	0.18
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	10	0.18
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	11	0.18
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	14	0.18
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	16	0.18
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	17	0.18
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	20	0.18
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	2	0.18
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	6	0.18
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	7	0.18
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	10	0.18
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	11	0.18
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	13	0.18
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	19	0.18
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	1	0.18
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	2	0.18
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	3	0.18
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	4	0.18
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	5	0.18
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	14	0.18
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	15	0.18
(1,1241)	1:456:A:MET:HB3	1:456:A:MET:HG3	18	0.18
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	8	0.18
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	20	0.18
(1,1232)	1:437:A:ARG:HB3	1:426:A:GLN:HE22	3	0.18
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	10	0.18
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	10	0.18
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	10	0.18
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	11	0.18
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	11	0.18
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	11	0.18
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	1	0.18
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	1	0.18
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	1	0.18
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	2	0.18
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	2	0.18
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	2	0.18
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	13	0.18
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	13	0.18
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	17	0.18
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	17	0.18
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	17	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	1	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	1	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	1	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	1	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	1	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	1	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	1	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	1	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	1	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	2	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	2	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	2	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	2	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	2	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	2	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	2	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	2	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	2	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	3	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	3	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	3	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	3	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	3	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	3	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	3	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	3	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	3	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	4	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	4	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	4	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	4	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	4	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	4	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	4	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	4	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	4	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	5	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	5	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	5	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	5	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	5	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	5	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	5	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	5	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	6	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	6	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	6	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	6	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	6	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	6	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	6	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	6	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	6	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	9	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	9	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	9	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	9	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	9	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	9	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	9	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	9	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	9	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	11	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	11	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	11	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	11	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	11	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	11	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	11	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	11	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	11	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	13	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	13	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	13	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	13	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	13	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	13	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	13	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	13	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	14	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	14	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	14	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	14	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	14	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	14	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	14	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	14	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	14	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	15	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	15	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	15	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	15	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	15	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	15	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	15	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	15	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	15	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	16	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	16	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	16	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	16	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	16	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	16	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	16	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	16	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	16	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	17	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	17	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	17	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	17	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	17	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	17	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	17	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	17	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	17	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	18	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	18	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	18	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	18	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	18	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	18	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	18	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	18	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	20	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	20	0.18
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	20	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	20	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	20	0.18
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	20	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	20	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	20	0.18
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	20	0.18
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	9	0.18
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	7	0.18
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	7	0.18
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	7	0.18
(1,1136)	1:378:A:PRO:HD2	1:377:A:THR:HA	14	0.18
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	1	0.18
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	5	0.18
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	10	0.18
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	11	0.18
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	12	0.18
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	20	0.18
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	1	0.18
(1,1092)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	7	0.18
(1,1086)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	20	0.18
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	3	0.18
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	4	0.18
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	5	0.18
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	6	0.18
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	7	0.18
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	12	0.18
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	14	0.18
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	19	0.18
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	1	0.18
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	3	0.18
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	5	0.18
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	10	0.18
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	19	0.18
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	2	0.18
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	7	0.18
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	11	0.18
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	13	0.18
(1,887)	1:367:A:ASP:HB3	1:367:A:ASP:H	20	0.18
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	1	0.18
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	1	0.18
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	1	0.18
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	4	0.18
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	4	0.18
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	4	0.18
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	6	0.18
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	6	0.18
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	6	0.18
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	9	0.18
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	9	0.18
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	9	0.18
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	12	0.18
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	12	0.18
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	12	0.18
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	17	0.18
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	17	0.18
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	17	0.18
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	18	0.18
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	18	0.18
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	18	0.18
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	2	0.18
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	2	0.18
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	2	0.18
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	2	0.18
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	2	0.18
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	2	0.18
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	2	0.18
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	2	0.18
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	2	0.18
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	12	0.18
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	12	0.18
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	12	0.18
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	12	0.18
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	12	0.18
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	12	0.18
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	12	0.18
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	12	0.18
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	11	0.18
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	14	0.18
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	7	0.18
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	17	0.18
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	3	0.18
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	16	0.18
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	16	0.18
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	16	0.18
(1,698)	1:393:A:LEU:HD21	1:393:A:LEU:HA	2	0.18
(1,698)	1:393:A:LEU:HD22	1:393:A:LEU:HA	2	0.18
(1,698)	1:393:A:LEU:HD23	1:393:A:LEU:HA	2	0.18
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	11	0.18
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	19	0.18
(1,683)	1:361:A:LYS:HB2	1:361:A:LYS:HA	10	0.18
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	5	0.18
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	20	0.18
(1,656)	1:346:A:GLU:HG2	1:346:A:GLU:HA	16	0.18
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	8	0.18
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	3	0.18
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	15	0.18
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	17	0.18
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	19	0.18
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	12	0.18
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	3	0.18
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	6	0.18
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	5	0.18
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	11	0.18
(1,578)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	14	0.18
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	7	0.18
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	2	0.18
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	2	0.18
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	2	0.18
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	12	0.18
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	12	0.18
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	12	0.18
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	14	0.18
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	14	0.18
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	14	0.18
(1,501)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	19	0.18
(1,501)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	19	0.18
(1,501)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	19	0.18
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	3	0.18
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	15	0.18
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	15	0.18
(1,447)	1:374:A:THR:HG21	1:373:A:PRO:HB2	8	0.18
(1,447)	1:374:A:THR:HG22	1:373:A:PRO:HB2	8	0.18
(1,447)	1:374:A:THR:HG23	1:373:A:PRO:HB2	8	0.18
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	1	0.18
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	1	0.18
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	1	0.18
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	2	0.18
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	9	0.18
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	13	0.18
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	16	0.18
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	1	0.18
(1,388)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	7	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	1	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	1	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	1	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	1	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	1	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	1	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	1	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	1	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	1	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	2	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	2	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	2	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	2	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	2	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	2	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	2	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	2	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	2	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	3	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	3	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	3	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	3	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	3	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	3	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	3	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	3	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	4	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	4	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	4	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	4	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	4	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	4	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	4	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	4	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	4	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	5	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	5	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	5	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	5	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	5	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	5	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	5	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	5	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	5	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	6	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	6	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	6	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	6	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	6	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	6	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	6	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	6	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	6	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	9	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	9	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	9	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	9	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	9	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	9	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	9	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	9	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	9	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	11	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	11	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	11	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	11	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	11	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	11	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	11	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	11	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	13	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	13	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	13	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	13	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	13	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	13	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	13	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	13	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	13	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	14	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	14	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	14	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	14	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	14	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	14	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	14	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	14	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	14	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	15	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	15	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	15	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	15	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	15	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	15	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	15	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	15	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	15	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	16	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	16	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	16	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	16	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	16	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	16	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	16	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	16	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	16	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	17	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	17	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	17	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	17	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	17	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	17	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	17	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	17	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	18	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	18	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	18	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	18	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	18	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	18	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	18	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	18	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	18	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	20	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	20	0.18
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	20	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	20	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	20	0.18
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	20	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	20	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	20	0.18
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	20	0.18
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	12	0.18
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	2	0.18
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	7	0.18
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	8	0.18
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	17	0.18
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	1	0.18
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	2	0.18
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	3	0.18
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	5	0.18
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	9	0.18
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	15	0.18
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	18	0.18
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	12	0.18
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	6	0.18
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	9	0.18
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	11	0.18
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	12	0.18
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	16	0.18
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	17	0.18
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	19	0.18
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	7	0.18
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	7	0.18
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	7	0.18
(1,184)	1:456:A:MET:HE1	1:456:A:MET:HB2	18	0.18
(1,184)	1:456:A:MET:HE2	1:456:A:MET:HB2	18	0.18
(1,184)	1:456:A:MET:HE3	1:456:A:MET:HB2	18	0.18
(1,165)	1:437:A:ARG:HB2	1:426:A:GLN:HE22	8	0.18
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	2	0.18
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	2	0.18
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	2	0.18
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	3	0.18
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	3	0.18
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	3	0.18
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	6	0.18
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	6	0.18
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	6	0.18
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	10	0.18
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	10	0.18
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	10	0.18
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	14	0.18
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	14	0.18
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	14	0.18
(1,102)	1:428:A:GLU:HB2	1:428:A:GLU:HG2	13	0.18
(1,102)	1:428:A:GLU:HB2	1:428:A:GLU:HG2	18	0.18
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	5	0.18
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	19	0.18
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	1	0.18
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	14	0.18
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	16	0.18
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	16	0.18
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	16	0.18
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	18	0.18
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	10	0.18
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	10	0.18
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	10	0.18
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	16	0.18
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	16	0.18
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	16	0.18
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	19	0.18
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	19	0.18
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	1	0.18
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	14	0.18
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	16	0.18
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	20	0.18
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	2	0.18
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	2	0.18
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	2	0.18
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	3	0.18
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	3	0.18
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	3	0.18
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	8	0.18
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	8	0.18
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	8	0.18
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	12	0.18
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	12	0.18
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	12	0.18
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	13	0.18
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	13	0.18
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	13	0.18
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	18	0.18
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	18	0.18
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	18	0.18
(1,4207)	1:351:A:ASN:HD22	1:350:A:GLU:HG3	19	0.17
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	12	0.17
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	1	0.17
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	6	0.17
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	9	0.17
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	18	0.17
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	12	0.17
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	19	0.17
(1,4081)	1:426:A:GLN:HE21	1:437:A:ARG:HB3	2	0.17
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	1	0.17
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	1	0.17
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	1	0.17
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	4	0.17
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	4	0.17
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	4	0.17
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	18	0.17
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	18	0.17
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	12	0.17
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	1	0.17
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	3	0.17
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	14	0.17
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	15	0.17
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	16	0.17
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	17	0.17
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	19	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	1	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	2	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	3	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	4	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	6	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	7	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	8	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	9	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	10	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	13	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	16	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	17	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	18	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	19	0.17
(1,3914)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	20	0.17
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	2	0.17
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	7	0.17
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	17	0.17
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	8	0.17
(1,3902)	1:408:A:ASN:H	1:407:A:VAL:HA	15	0.17
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	13	0.17
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	2	0.17
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	5	0.17
(1,3869)	1:350:A:GLU:H	1:351:A:ASN:H	18	0.17
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	7	0.17
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	20	0.17
(1,3765)	1:436:A:THR:H	1:437:A:ARG:H	7	0.17
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	5	0.17
(1,3754)	1:343:A:THR:H	1:342:A:ASP:HA	20	0.17
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	16	0.17
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	12	0.17
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	2	0.17
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	17	0.17
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	3	0.17
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	2	0.17
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	5	0.17
(1,3613)	1:351:A:ASN:H	1:350:A:GLU:H	18	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	1	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	2	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	4	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	6	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	8	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	9	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	10	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	11	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	12	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	14	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	15	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	16	0.17
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	20	0.17
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	19	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	6	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	6	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	6	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	7	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	7	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	7	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	11	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	11	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	11	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	17	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	17	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	17	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	20	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	20	0.17
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	20	0.17
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	3	0.17
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	3	0.17
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	3	0.17
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	4	0.17
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	4	0.17
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	4	0.17
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	9	0.17
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	9	0.17
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	13	0.17
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	13	0.17
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	13	0.17
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	13	0.17
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	9	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	1	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	2	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	3	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	4	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	5	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	6	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	7	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	8	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	9	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	10	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	13	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	14	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	15	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	18	0.17
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	19	0.17
(1,3368)	1:415:A:TRP:HH2	1:415:A:TRP:HZ3	20	0.17
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	1	0.17
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	2	0.17
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	5	0.17
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG11	12	0.17
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG12	12	0.17
(1,3331)	1:355:A:TRP:HE3	1:362:A:VAL:HG13	12	0.17
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	2	0.17
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	16	0.17
(1,3293)	1:409:A:TYR:HE1	1:408:A:ASN:HB3	2	0.17
(1,3293)	1:409:A:TYR:HE2	1:408:A:ASN:HB3	2	0.17
(1,3293)	1:409:A:TYR:HE1	1:408:A:ASN:HB3	13	0.17
(1,3293)	1:409:A:TYR:HE2	1:408:A:ASN:HB3	13	0.17
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	7	0.17
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	7	0.17
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	8	0.17
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	8	0.17
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	14	0.17
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	14	0.17
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	2	0.17
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	2	0.17
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	7	0.17
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	7	0.17
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	7	0.17
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	13	0.17
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	13	0.17
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	13	0.17
(1,3220)	1:355:A:TRP:HE3	1:346:A:GLU:HB3	11	0.17
(1,3220)	1:355:A:TRP:HE3	1:346:A:GLU:HB3	17	0.17
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	3	0.17
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	8	0.17
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	10	0.17
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	20	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	1	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	2	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	3	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	4	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	5	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	6	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	7	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	8	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	9	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	10	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	12	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	13	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	14	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	15	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	16	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	17	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	18	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	19	0.17
(1,3177)	1:376:A:PRO:HG2	1:376:A:PRO:HD3	20	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	1	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	1	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	1	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	2	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	2	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	2	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	3	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	3	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	3	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	5	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	5	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	6	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	6	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	6	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	7	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	7	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	7	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	9	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	9	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	9	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	11	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	11	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	11	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	14	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	14	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	14	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	15	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	15	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	15	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	16	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	16	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	16	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	18	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	18	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	18	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	19	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	19	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	19	0.17
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	20	0.17
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	20	0.17
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	20	0.17
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	19	0.17
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	19	0.17
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	19	0.17
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	5	0.17
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	5	0.17
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	5	0.17
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	7	0.17
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	16	0.17
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	3	0.17
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	6	0.17
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	20	0.17
(1,3051)	1:339:A:HIS:HB2	1:340:A:MET:HG3	15	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	2	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	2	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	2	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	3	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	3	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	3	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	4	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	4	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	4	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	5	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	5	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	5	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	7	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	7	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	7	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	8	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	8	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	8	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	9	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	9	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	9	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	10	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	10	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	10	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	11	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	11	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	11	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	12	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	12	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	12	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	13	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	13	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	13	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	14	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	14	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	14	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	16	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	16	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	16	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	17	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	17	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	18	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	18	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	18	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	19	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	19	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	19	0.17
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	20	0.17
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	20	0.17
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	20	0.17
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	16	0.17
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	12	0.17
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	8	0.17
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	9	0.17
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	15	0.17
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	9	0.17
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	12	0.17
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	14	0.17
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	15	0.17
(1,2898)	1:352:A:GLN:HG2	1:352:A:GLN:H	3	0.17
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	6	0.17
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	14	0.17
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	1	0.17
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	4	0.17
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	7	0.17
(1,2771)	1:372:A:LYS:HD2	1:372:A:LYS:HG3	17	0.17
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	1	0.17
(1,2752)	1:369:A:VAL:HB	1:370:A:SER:HA	11	0.17
(1,2742)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	13	0.17
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	5	0.17
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	20	0.17
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	9	0.17
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	15	0.17
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	9	0.17
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	9	0.17
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	9	0.17
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	6	0.17
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	6	0.17
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	6	0.17
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	17	0.17
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	17	0.17
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	4	0.17
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	16	0.17
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD1	2	0.17
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD2	2	0.17
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD1	2	0.17
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD2	2	0.17
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD1	2	0.17
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD2	2	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	1	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	2	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	3	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	4	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	5	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	6	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	8	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	9	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	10	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	11	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	12	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	13	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	14	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	15	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	16	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	17	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	18	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	19	0.17
(1,2581)	1:454:A:PHE:HA	1:454:A:PHE:HB3	20	0.17
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	10	0.17
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	10	0.17
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	10	0.17
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	11	0.17
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	11	0.17
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	11	0.17
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	18	0.17
(1,2492)	1:389:A:GLU:HB3	1:390:A:ASP:H	20	0.17
(1,2450)	1:462:A:PRO:HB2	1:462:A:PRO:HA	1	0.17
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	8	0.17
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	7	0.17
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	2	0.17
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	4	0.17
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	6	0.17
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	9	0.17
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	10	0.17
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	12	0.17
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	13	0.17
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	15	0.17
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	19	0.17
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	5	0.17
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	20	0.17
(1,2271)	1:393:A:LEU:HD21	1:394:A:LYS:HA	10	0.17
(1,2271)	1:393:A:LEU:HD22	1:394:A:LYS:HA	10	0.17
(1,2271)	1:393:A:LEU:HD23	1:394:A:LYS:HA	10	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	2	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	2	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	2	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	3	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	3	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	3	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	4	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	4	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	4	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	5	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	5	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	5	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	6	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	6	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	6	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	7	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	7	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	7	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	8	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	8	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	8	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	9	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	9	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	9	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	10	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	10	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	10	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	11	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	11	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	12	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	12	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	12	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	13	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	13	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	13	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	14	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	14	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	14	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	15	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	15	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	15	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	16	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	16	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	16	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	17	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	17	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	17	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	18	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	18	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	18	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	19	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	19	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	19	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG21	20	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG22	20	0.17
(1,2269)	1:401:A:THR:HB	1:401:A:THR:HG23	20	0.17
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	1	0.17
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	13	0.17
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	14	0.17
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	9	0.17
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	10	0.17
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	14	0.17
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	1	0.17
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	3	0.17
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	12	0.17
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	14	0.17
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	16	0.17
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	19	0.17
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	1	0.17
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	1	0.17
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	8	0.17
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	8	0.17
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	8	0.17
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	1	0.17
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	15	0.17
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	18	0.17
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	5	0.17
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	5	0.17
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	5	0.17
(1,1937)	1:465:A:VAL:HB	1:464:A:LEU:HA	20	0.17
(1,1906)	1:424:A:ASP:HA	1:424:A:ASP:HB2	18	0.17
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	14	0.17
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	14	0.17
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	14	0.17
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	6	0.17
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	6	0.17
(1,1749)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	6	0.17
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	5	0.17
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	5	0.17
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	5	0.17
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	11	0.17
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	11	0.17
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	11	0.17
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	18	0.17
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	18	0.17
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	18	0.17
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	14	0.17
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	20	0.17
(1,1653)	1:367:A:ASP:HB3	1:366:A:THR:HA	4	0.17
(1,1653)	1:367:A:ASP:HB3	1:366:A:THR:HA	16	0.17
(1,1646)	1:368:A:ILE:HD11	1:368:A:ILE:H	8	0.17
(1,1646)	1:368:A:ILE:HD12	1:368:A:ILE:H	8	0.17
(1,1646)	1:368:A:ILE:HD13	1:368:A:ILE:H	8	0.17
(1,1646)	1:368:A:ILE:HD11	1:368:A:ILE:H	15	0.17
(1,1646)	1:368:A:ILE:HD12	1:368:A:ILE:H	15	0.17
(1,1646)	1:368:A:ILE:HD13	1:368:A:ILE:H	15	0.17
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	14	0.17
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	9	0.17
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	15	0.17
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	4	0.17
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	4	0.17
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	6	0.17
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	8	0.17
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	8	0.17
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	14	0.17
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	14	0.17
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	15	0.17
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	15	0.17
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	1	0.17
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	3	0.17
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	4	0.17
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	8	0.17
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	10	0.17
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	14	0.17
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	16	0.17
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	17	0.17
(1,1598)	1:461:A:THR:HG21	1:461:A:THR:HA	18	0.17
(1,1598)	1:461:A:THR:HG22	1:461:A:THR:HA	18	0.17
(1,1598)	1:461:A:THR:HG23	1:461:A:THR:HA	18	0.17
(1,1596)	1:458:A:GLU:HG2	1:458:A:GLU:H	13	0.17
(1,1596)	1:458:A:GLU:HG2	1:458:A:GLU:H	15	0.17
(1,1596)	1:458:A:GLU:HG2	1:458:A:GLU:H	16	0.17
(1,1591)	1:464:A:LEU:HB3	1:464:A:LEU:HG	6	0.17
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	17	0.17
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	18	0.17
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	18	0.17
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	18	0.17
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	9	0.17
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	19	0.17
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	9	0.17
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	10	0.17
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	19	0.17
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	7	0.17
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	11	0.17
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	14	0.17
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	15	0.17
(1,1488)	1:424:A:ASP:HB2	1:424:A:ASP:HA	18	0.17
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	8	0.17
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	9	0.17
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	10	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	1	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	4	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	7	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	8	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	10	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	12	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	13	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	14	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	15	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	16	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	18	0.17
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	20	0.17
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	9	0.17
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	9	0.17
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	9	0.17
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	16	0.17
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	16	0.17
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	16	0.17
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	19	0.17
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	19	0.17
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	19	0.17
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	20	0.17
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	20	0.17
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	20	0.17
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	4	0.17
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	6	0.17
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	12	0.17
(1,1380)	1:346:A:GLU:HA	1:346:A:GLU:H	19	0.17
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	4	0.17
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	8	0.17
(1,1358)	1:408:A:ASN:HA	1:408:A:ASN:H	15	0.17
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	2	0.17
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	4	0.17
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	12	0.17
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	17	0.17
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	2	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	2	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	2	0.17
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	3	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	3	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	3	0.17
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	4	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	4	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	6	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	6	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	6	0.17
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	9	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	9	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	9	0.17
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	14	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	14	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	14	0.17
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	17	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	17	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	17	0.17
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	18	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	18	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	18	0.17
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	19	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	19	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	19	0.17
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	20	0.17
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	20	0.17
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	20	0.17
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	4	0.17
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	4	0.17
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	4	0.17
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	16	0.17
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	16	0.17
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	16	0.17
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	7	0.17
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	7	0.17
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	7	0.17
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	7	0.17
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	7	0.17
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	7	0.17
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	7	0.17
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	7	0.17
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	7	0.17
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	12	0.17
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	12	0.17
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	12	0.17
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	12	0.17
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	12	0.17
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	12	0.17
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	12	0.17
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	12	0.17
(1,1207)	1:447:A:PRO:HA	1:448:A:SER:HB3	18	0.17
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	9	0.17
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	12	0.17
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	15	0.17
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	4	0.17
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	4	0.17
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	4	0.17
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	6	0.17
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	6	0.17
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	6	0.17
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	12	0.17
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	12	0.17
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	12	0.17
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	7	0.17
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	8	0.17
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	14	0.17
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	17	0.17
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	18	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	1	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	2	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	3	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	5	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	6	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	8	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	10	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	11	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	12	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	13	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	15	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	16	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	17	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	18	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	19	0.17
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	20	0.17
(1,1086)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	2	0.17
(1,1081)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	1	0.17
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	7	0.17
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	6	0.17
(1,1017)	1:402:A:PRO:HG3	1:401:A:THR:HA	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:400:A:GLY:HA2	1:401:A:THR:H	12	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	1	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	1	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	1	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	3	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	3	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	3	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	7	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	7	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	7	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	11	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	11	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	11	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	12	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	12	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	12	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	16	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	16	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	16	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	17	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	17	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	17	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	18	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	18	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	18	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	19	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	19	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	19	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	20	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	20	0.17
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	20	0.17
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	2	0.17
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	2	0.17
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	2	0.17
(1,792)	1:396:A:THR:HG21	1:397:A:ASN:H	5	0.17
(1,792)	1:396:A:THR:HG22	1:397:A:ASN:H	5	0.17
(1,792)	1:396:A:THR:HG23	1:397:A:ASN:H	5	0.17
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	4	0.17
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	4	0.17
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	8	0.17
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	20	0.17
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	4	0.17
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	4	0.17
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	11	0.17
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	11	0.17
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	11	0.17
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	12	0.17
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	12	0.17
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	12	0.17
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	17	0.17
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	17	0.17
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	17	0.17
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	18	0.17
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	18	0.17
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	18	0.17
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	8	0.17
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	12	0.17
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	1	0.17
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	12	0.17
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	13	0.17
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	7	0.17
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	1	0.17
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	4	0.17
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	19	0.17
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	15	0.17
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	4	0.17
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	4	0.17
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	4	0.17
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	7	0.17
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	7	0.17
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	7	0.17
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	16	0.17
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	16	0.17
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	4	0.17
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	4	0.17
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	4	0.17
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	7	0.17
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	7	0.17
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	7	0.17
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	8	0.17
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	8	0.17
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	8	0.17
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	11	0.17
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	12	0.17
(1,403)	1:380:A:GLY:HA2	1:381:A:VAL:H	15	0.17
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	7	0.17
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	7	0.17
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	7	0.17
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	7	0.17
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	7	0.17
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	7	0.17
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	7	0.17
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	7	0.17
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	7	0.17
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	12	0.17
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	12	0.17
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	12	0.17
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	12	0.17
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	12	0.17
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	12	0.17
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	12	0.17
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	12	0.17
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	12	0.17
(1,367)	1:459:A:LYS:HB2	1:459:A:LYS:HG2	16	0.17
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	4	0.17
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	9	0.17
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	10	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	4	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	6	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	7	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	8	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	10	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	11	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	12	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	13	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	14	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	16	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	17	0.17
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	20	0.17
(1,285)	1:372:A:LYS:HG3	1:372:A:LYS:H	14	0.17
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	10	0.17
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	19	0.17
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	19	0.17
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	19	0.17
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	19	0.17
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	19	0.17
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	19	0.17
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	19	0.17
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	19	0.17
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	2	0.17
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	19	0.17
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	4	0.17
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	4	0.17
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	4	0.17
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	7	0.17
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	3	0.17
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	3	0.17
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	3	0.17
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	9	0.17
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	9	0.17
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	9	0.17
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	17	0.17
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	17	0.17
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	17	0.17
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	20	0.17
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	20	0.17
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	20	0.17
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	9	0.17
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	6	0.17
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	2	0.17
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	2	0.17
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	2	0.17
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	7	0.17
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	7	0.17
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	7	0.17
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	11	0.17
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	11	0.17
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	11	0.17
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	17	0.17
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	17	0.17
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	17	0.17
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	20	0.17
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	20	0.17
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	20	0.17
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	6	0.17
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	6	0.17
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	7	0.17
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	7	0.17
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	7	0.17
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	11	0.17
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	11	0.17
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	11	0.17
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	17	0.17
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	17	0.17
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	17	0.17
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	20	0.17
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	20	0.17
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	20	0.17
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	3	0.16
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	6	0.16
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	7	0.16
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	8	0.16
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	10	0.16
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	11	0.16
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	12	0.16
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	17	0.16
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	4	0.16
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	7	0.16
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	10	0.16
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	11	0.16
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	20	0.16
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	7	0.16
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	9	0.16
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	15	0.16
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	8	0.16
(1,4169)	1:459:A:LYS:H	1:458:A:GLU:HA	14	0.16
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	8	0.16
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	9	0.16
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	10	0.16
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	15	0.16
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	3	0.16
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	3	0.16
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	3	0.16
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	15	0.16
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	15	0.16
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	4	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	2	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	2	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	2	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	3	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	3	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	3	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	5	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	5	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	5	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	6	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	6	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	6	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	8	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	8	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	8	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	9	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	9	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	9	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	11	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	11	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	11	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	12	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	12	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	12	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	14	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	14	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	14	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	15	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	15	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	15	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	16	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	16	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	16	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	19	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	19	0.16
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	19	0.16
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	15	0.16
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	16	0.16
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	4	0.16
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	5	0.16
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	17	0.16
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	18	0.16
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	4	0.16
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	15	0.16
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	20	0.16
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	7	0.16
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	8	0.16
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	5	0.16
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	11	0.16
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	15	0.16
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	15	0.16
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	20	0.16
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	4	0.16
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	12	0.16
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	19	0.16
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	1	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	4	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	4	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	4	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	8	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	8	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	8	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	14	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	14	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	14	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	19	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	19	0.16
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	19	0.16
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	10	0.16
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	10	0.16
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	10	0.16
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	12	0.16
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	12	0.16
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	12	0.16
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	13	0.16
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	13	0.16
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	13	0.16
(1,3781)	1:430:A:GLY:H	1:369:A:VAL:HA	1	0.16
(1,3775)	1:441:A:GLY:H	1:440:A:HIS:HA	19	0.16
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	6	0.16
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	9	0.16
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	16	0.16
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	17	0.16
(1,3752)	1:425:A:TRP:HE1	1:444:A:ASN:HB2	4	0.16
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	5	0.16
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	14	0.16
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	14	0.16
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	14	0.16
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	4	0.16
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	8	0.16
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	10	0.16
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	12	0.16
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	14	0.16
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	8	0.16
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	16	0.16
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	5	0.16
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	10	0.16
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	11	0.16
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	19	0.16
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	15	0.16
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	3	0.16
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	17	0.16
(1,3602)	1:432:A:ASP:H	1:432:A:ASP:HA	19	0.16
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	16	0.16
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	16	0.16
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	16	0.16
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	9	0.16
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	9	0.16
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	9	0.16
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	2	0.16
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	2	0.16
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	2	0.16
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	8	0.16
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	8	0.16
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	8	0.16
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	9	0.16
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	9	0.16
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	9	0.16
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	1	0.16
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	5	0.16
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	1	0.16
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	1	0.16
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	18	0.16
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	18	0.16
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	18	0.16
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	8	0.16
(1,3444)	1:355:A:TRP:HE3	1:354:A:MET:HA	18	0.16
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	3	0.16
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	10	0.16
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	11	0.16
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	12	0.16
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	16	0.16
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	17	0.16
(1,3401)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	20	0.16
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	3	0.16
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	13	0.16
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	8	0.16
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	13	0.16
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	20	0.16
(1,3293)	1:409:A:TYR:HE1	1:408:A:ASN:HB3	20	0.16
(1,3293)	1:409:A:TYR:HE2	1:408:A:ASN:HB3	20	0.16
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	11	0.16
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	11	0.16
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	16	0.16
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	16	0.16
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	17	0.16
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	17	0.16
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	11	0.16
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	11	0.16
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	11	0.16
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	14	0.16
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	14	0.16
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	14	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	1	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	3	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	4	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	5	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	6	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	8	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	13	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	14	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	16	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	17	0.16
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	19	0.16
(1,3220)	1:355:A:TRP:HE3	1:346:A:GLU:HB3	20	0.16
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	2	0.16
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	11	0.16
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	12	0.16
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	15	0.16
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	17	0.16
(1,3200)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	18	0.16
(1,3200)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	18	0.16
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	4	0.16
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	4	0.16
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	4	0.16
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	8	0.16
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	8	0.16
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	8	0.16
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	10	0.16
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	10	0.16
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	10	0.16
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	12	0.16
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	12	0.16
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	12	0.16
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	13	0.16
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	13	0.16
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	13	0.16
(1,3176)	1:375:A:THR:HG21	1:375:A:THR:HB	17	0.16
(1,3176)	1:375:A:THR:HG22	1:375:A:THR:HB	17	0.16
(1,3176)	1:375:A:THR:HG23	1:375:A:THR:HB	17	0.16
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	12	0.16
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	19	0.16
(1,3110)	1:418:A:VAL:HG21	1:418:A:VAL:HB	11	0.16
(1,3110)	1:418:A:VAL:HG22	1:418:A:VAL:HB	11	0.16
(1,3110)	1:418:A:VAL:HG23	1:418:A:VAL:HB	11	0.16
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	14	0.16
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	14	0.16
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	14	0.16
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	18	0.16
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	18	0.16
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	18	0.16
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	1	0.16
(1,3063)	1:388:A:GLU:HB3	1:388:A:GLU:H	19	0.16
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	1	0.16
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	9	0.16
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	11	0.16
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	14	0.16
(1,3049)	1:464:A:LEU:HD21	1:464:A:LEU:HG	6	0.16
(1,3049)	1:464:A:LEU:HD22	1:464:A:LEU:HG	6	0.16
(1,3049)	1:464:A:LEU:HD23	1:464:A:LEU:HG	6	0.16
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	1	0.16
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	3	0.16
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	19	0.16
(1,3029)	1:393:A:LEU:HD11	1:425:A:TRP:HZ2	10	0.16
(1,3029)	1:393:A:LEU:HD12	1:425:A:TRP:HZ2	10	0.16
(1,3029)	1:393:A:LEU:HD13	1:425:A:TRP:HZ2	10	0.16
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	14	0.16
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	17	0.16
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	2	0.16
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	10	0.16
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	11	0.16
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	13	0.16
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	16	0.16
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	17	0.16
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	18	0.16
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	20	0.16
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	10	0.16
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	11	0.16
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	11	0.16
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	11	0.16
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	12	0.16
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	12	0.16
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	12	0.16
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	16	0.16
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	16	0.16
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	16	0.16
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	17	0.16
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	17	0.16
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	17	0.16
(1,2851)	1:340:A:MET:HG2	1:340:A:MET:H	15	0.16
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	4	0.16
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	4	0.16
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	4	0.16
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	8	0.16
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	8	0.16
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	14	0.16
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	14	0.16
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	14	0.16
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	19	0.16
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	19	0.16
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	19	0.16
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	2	0.16
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	8	0.16
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	9	0.16
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	18	0.16
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	18	0.16
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	18	0.16
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	18	0.16
(1,2691)	1:459:A:LYS:HE2	1:459:A:LYS:HG2	2	0.16
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	11	0.16
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	11	0.16
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	11	0.16
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	10	0.16
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	10	0.16
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	10	0.16
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	15	0.16
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	15	0.16
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	15	0.16
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	16	0.16
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	16	0.16
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	16	0.16
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	1	0.16
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	12	0.16
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	17	0.16
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	4	0.16
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	3	0.16
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	9	0.16
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	12	0.16
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	2	0.16
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	5	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	4	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	4	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	4	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	4	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	4	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	4	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	4	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	4	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	5	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	5	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	5	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	5	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	5	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	5	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	5	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	5	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	5	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	6	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	6	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	6	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	6	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	6	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	6	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	6	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	6	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	6	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	8	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	8	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	8	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	8	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	8	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	8	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	8	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	8	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	8	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	9	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	9	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	9	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	9	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	9	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	9	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	9	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	9	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	9	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	19	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	19	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	19	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	19	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	19	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	19	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	19	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	19	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	20	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	20	0.16
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	20	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	20	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	20	0.16
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	20	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	20	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	20	0.16
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	20	0.16
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	18	0.16
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	19	0.16
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	20	0.16
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	15	0.16
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	15	0.16
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	15	0.16
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	16	0.16
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	16	0.16
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	16	0.16
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	19	0.16
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	19	0.16
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	19	0.16
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	13	0.16
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	13	0.16
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	13	0.16
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	1	0.16
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	3	0.16
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	7	0.16
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	8	0.16
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	11	0.16
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	14	0.16
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	16	0.16
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	17	0.16
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	18	0.16
(1,2351)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	20	0.16
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	12	0.16
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	1	0.16
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	4	0.16
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	7	0.16
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	8	0.16
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	9	0.16
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	18	0.16
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	19	0.16
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	20	0.16
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	14	0.16
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	14	0.16
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	14	0.16
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	15	0.16
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	15	0.16
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	15	0.16
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	10	0.16
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	12	0.16
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	13	0.16
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	14	0.16
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	15	0.16
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	16	0.16
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	5	0.16
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	7	0.16
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	10	0.16
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	18	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	6	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	6	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	6	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	11	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	11	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	11	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	12	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	12	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	12	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	13	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	13	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	13	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	15	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	15	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	15	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	18	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	18	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	18	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	19	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	19	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	20	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	20	0.16
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	20	0.16
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	14	0.16
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	20	0.16
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	16	0.16
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	16	0.16
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	16	0.16
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	19	0.16
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	9	0.16
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	14	0.16
(1,1653)	1:367:A:ASP:HB3	1:366:A:THR:HA	1	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	1	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	1	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	2	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	2	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	13	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	13	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	19	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	19	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	20	0.16
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	20	0.16
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	5	0.16
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	12	0.16
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	14	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	1	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	1	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	1	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	2	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	2	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	2	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	3	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	3	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	3	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	4	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	4	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	4	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	5	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	5	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	6	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	6	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	6	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	7	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	7	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	7	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	8	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	8	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	8	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	9	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	9	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	9	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	10	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	10	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	10	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	11	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	11	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	11	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	12	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	12	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	12	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	13	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	13	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	13	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	14	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	14	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	14	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	15	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	15	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	15	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	16	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	16	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	16	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	17	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	17	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	17	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	19	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	19	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	19	0.16
(1,1572)	1:343:A:THR:HG21	1:343:A:THR:HB	20	0.16
(1,1572)	1:343:A:THR:HG22	1:343:A:THR:HB	20	0.16
(1,1572)	1:343:A:THR:HG23	1:343:A:THR:HB	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	1	0.16
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	1	0.16
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	1	0.16
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	5	0.16
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	5	0.16
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	3	0.16
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	3	0.16
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	9	0.16
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	13	0.16
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	16	0.16
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	19	0.16
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	15	0.16
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	8	0.16
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	2	0.16
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	3	0.16
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	5	0.16
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	9	0.16
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	11	0.16
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	17	0.16
(1,1420)	1:452:A:GLU:HG3	1:452:A:GLU:HA	19	0.16
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	1	0.16
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	1	0.16
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	1	0.16
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	8	0.16
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	8	0.16
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	8	0.16
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	10	0.16
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	10	0.16
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	10	0.16
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	11	0.16
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	11	0.16
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	11	0.16
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	12	0.16
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	12	0.16
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	12	0.16
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	13	0.16
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	13	0.16
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	13	0.16
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	17	0.16
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	17	0.16
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	17	0.16
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	17	0.16
(1,1397)	1:432:A:ASP:HA	1:433:A:LEU:HB3	1	0.16
(1,1397)	1:432:A:ASP:HA	1:433:A:LEU:HB3	19	0.16
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	14	0.16
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	12	0.16
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	13	0.16
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	13	0.16
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	13	0.16
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	15	0.16
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	15	0.16
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	15	0.16
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	16	0.16
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	16	0.16
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	16	0.16
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	3	0.16
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	5	0.16
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	8	0.16
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	10	0.16
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	13	0.16
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	14	0.16
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	16	0.16
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	17	0.16
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	19	0.16
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	4	0.16
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	5	0.16
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	10	0.16
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	13	0.16
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	10	0.16
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	10	0.16
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	10	0.16
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	2	0.16
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	3	0.16
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	4	0.16
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	6	0.16
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	9	0.16
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	13	0.16
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	15	0.16
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	16	0.16
(1,1115)	1:398:A:ASP:HB2	1:399:A:ASP:HA	2	0.16
(1,1110)	1:447:A:PRO:HA	1:447:A:PRO:HG3	14	0.16
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	4	0.16
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	9	0.16
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	13	0.16
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	20	0.16
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	11	0.16
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	11	0.16
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	11	0.16
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	3	0.16
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	3	0.16
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	3	0.16
(1,997)	1:400:A:GLY:HA2	1:401:A:THR:H	1	0.16
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	16	0.16
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	16	0.16
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	16	0.16
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG21	2	0.16
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG22	2	0.16
(1,988)	1:377:A:THR:HA	1:377:A:THR:HG23	2	0.16
(1,976)	1:438:A:GLY:HA2	1:439:A:SER:HB2	15	0.16
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	1	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	2	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	2	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	2	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	4	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	4	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	4	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	5	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	5	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	5	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	8	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	8	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	8	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	9	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	9	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	9	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	10	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	10	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	10	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	13	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	13	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	13	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	14	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	14	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	15	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	15	0.16
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	15	0.16
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	8	0.16
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	17	0.16
(1,830)	1:418:A:VAL:HG11	1:418:A:VAL:HA	8	0.16
(1,830)	1:418:A:VAL:HG12	1:418:A:VAL:HA	8	0.16
(1,830)	1:418:A:VAL:HG13	1:418:A:VAL:HA	8	0.16
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	1	0.16
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	2	0.16
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	5	0.16
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	18	0.16
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	10	0.16
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	5	0.16
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	1	0.16
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	2	0.16
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	5	0.16
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	5	0.16
(1,726)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	8	0.16
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	3	0.16
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	2	0.16
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	2	0.16
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	2	0.16
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	10	0.16
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	10	0.16
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	10	0.16
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	19	0.16
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	19	0.16
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	19	0.16
(1,694)	1:436:A:THR:HB	1:437:A:ARG:H	9	0.16
(1,692)	1:387:A:LYS:HE2	1:387:A:LYS:HD3	5	0.16
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	19	0.16
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	17	0.16
(1,612)	1:361:A:LYS:HG2	1:362:A:VAL:H	7	0.16
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	9	0.16
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	3	0.16
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	2	0.16
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	10	0.16
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	11	0.16
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	17	0.16
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	12	0.16
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	17	0.16
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	11	0.16
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	16	0.16
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	6	0.16
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	6	0.16
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	6	0.16
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	13	0.16
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	13	0.16
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	13	0.16
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	17	0.16
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	4	0.16
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	4	0.16
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	9	0.16
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	9	0.16
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	9	0.16
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	10	0.16
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	10	0.16
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	10	0.16
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	14	0.16
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	14	0.16
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	14	0.16
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	17	0.16
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	17	0.16
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	17	0.16
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	19	0.16
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	19	0.16
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	19	0.16
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD11	16	0.16
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD12	16	0.16
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD13	16	0.16
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD11	16	0.16
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD12	16	0.16
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD13	16	0.16
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD11	16	0.16
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD12	16	0.16
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD13	16	0.16
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	6	0.16
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	8	0.16
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	8	0.16
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	8	0.16
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	8	0.16
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	8	0.16
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	8	0.16
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	8	0.16
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	8	0.16
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	17	0.16
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	17	0.16
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	17	0.16
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	17	0.16
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	17	0.16
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	17	0.16
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	17	0.16
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	17	0.16
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	17	0.16
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	20	0.16
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	20	0.16
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	20	0.16
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	20	0.16
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	20	0.16
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	20	0.16
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	20	0.16
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	20	0.16
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	20	0.16
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	1	0.16
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	3	0.16
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	4	0.16
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	10	0.16
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	14	0.16
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	18	0.16
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	20	0.16
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	16	0.16
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	11	0.16
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	13	0.16
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	16	0.16
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	8	0.16
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	19	0.16
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	20	0.16
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	10	0.16
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	2	0.16
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	2	0.16
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	2	0.16
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	4	0.16
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	4	0.16
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	8	0.16
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	8	0.16
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	8	0.16
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	10	0.16
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	10	0.16
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	10	0.16
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	11	0.16
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	11	0.16
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	11	0.16
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	12	0.16
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	12	0.16
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	12	0.16
(1,17)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	13	0.16
(1,17)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	13	0.16
(1,17)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	13	0.16
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	9	0.16
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	9	0.16
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	9	0.16
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	1	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	2	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	4	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	5	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	9	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	13	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	15	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	18	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	19	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	20	0.15
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	3	0.15
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	6	0.15
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	14	0.15
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	16	0.15
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	17	0.15
(1,4190)	1:432:A:ASP:H	1:432:A:ASP:HB3	6	0.15
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD11	13	0.15
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD12	13	0.15
(1,4176)	1:428:A:GLU:H	1:433:A:LEU:HD13	13	0.15
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	2	0.15
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	11	0.15
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	2	0.15
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	7	0.15
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	11	0.15
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	13	0.15
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	14	0.15
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	17	0.15
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	20	0.15
(1,4141)	1:359:A:ASP:H	1:343:A:THR:HA	7	0.15
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	7	0.15
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	7	0.15
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	7	0.15
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	13	0.15
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	13	0.15
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	13	0.15
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	19	0.15
(1,4100)	1:436:A:THR:H	1:435:A:LYS:HG2	7	0.15
(1,4081)	1:426:A:GLN:HE21	1:437:A:ARG:HB3	10	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	7	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	7	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	7	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	10	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	10	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	10	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	13	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	13	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	13	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	17	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	17	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	17	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB1	20	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB2	20	0.15
(1,4066)	1:363:A:ALA:H	1:363:A:ALA:HB3	20	0.15
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	15	0.15
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	16	0.15
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	2	0.15
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	9	0.15
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	13	0.15
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	8	0.15
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	14	0.15
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	4	0.15
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	5	0.15
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	8	0.15
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	11	0.15
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	13	0.15
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	16	0.15
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	17	0.15
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	18	0.15
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	3	0.15
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	6	0.15
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	18	0.15
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	20	0.15
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	12	0.15
(1,3893)	1:375:A:THR:H	1:372:A:LYS:HG2	17	0.15
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	15	0.15
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	15	0.15
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	15	0.15
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	3	0.15
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	3	0.15
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	3	0.15
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	12	0.15
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	12	0.15
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	12	0.15
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	18	0.15
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	18	0.15
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	18	0.15
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	1	0.15
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	1	0.15
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	1	0.15
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	7	0.15
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	7	0.15
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	7	0.15
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	1	0.15
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	3	0.15
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	4	0.15
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	11	0.15
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	18	0.15
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	16	0.15
(1,3752)	1:425:A:TRP:HE1	1:444:A:ASN:HB2	10	0.15
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	1	0.15
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	2	0.15
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	3	0.15
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	4	0.15
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	7	0.15
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	13	0.15
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	15	0.15
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	18	0.15
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	20	0.15
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	10	0.15
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	10	0.15
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	10	0.15
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	5	0.15
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	6	0.15
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	9	0.15
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	15	0.15
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	19	0.15
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	18	0.15
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	6	0.15
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	13	0.15
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	18	0.15
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	11	0.15
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	11	0.15
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	11	0.15
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	15	0.15
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	15	0.15
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	15	0.15
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	20	0.15
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	20	0.15
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	20	0.15
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	18	0.15
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	18	0.15
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	18	0.15
(1,3495)	1:393:A:LEU:H	1:393:A:LEU:HB2	10	0.15
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	16	0.15
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG11	14	0.15
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG12	14	0.15
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG13	14	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	2	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	3	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	4	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	6	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	8	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	9	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	11	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	12	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	14	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	15	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	16	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	17	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	18	0.15
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	20	0.15
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	9	0.15
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	9	0.15
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	9	0.15
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	13	0.15
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	13	0.15
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	13	0.15
(1,3425)	1:466:A:PHE:HZ	1:346:A:GLU:HG2	19	0.15
(1,3405)	1:385:A:TRP:HD1	1:413:A:ILE:HA	6	0.15
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	4	0.15
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	8	0.15
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	16	0.15
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	20	0.15
(1,3341)	1:434:A:TRP:HH2	1:435:A:LYS:HB2	16	0.15
(1,3341)	1:434:A:TRP:HH2	1:435:A:LYS:HB2	17	0.15
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	1	0.15
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	3	0.15
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	3	0.15
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	12	0.15
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	12	0.15
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	19	0.15
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	19	0.15
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	20	0.15
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	20	0.15
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	19	0.15
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	19	0.15
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	19	0.15
(1,3264)	1:454:A:PHE:HE1	1:387:A:LYS:HA	1	0.15
(1,3264)	1:454:A:PHE:HE2	1:387:A:LYS:HA	1	0.15
(1,3264)	1:454:A:PHE:HE1	1:387:A:LYS:HA	8	0.15
(1,3264)	1:454:A:PHE:HE2	1:387:A:LYS:HA	8	0.15
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	2	0.15
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	7	0.15
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	9	0.15
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	10	0.15
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	11	0.15
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	15	0.15
(1,3253)	1:434:A:TRP:HZ2	1:434:A:TRP:HE3	20	0.15
(1,3241)	1:421:A:HIS:HD2	1:393:A:LEU:HD11	10	0.15
(1,3241)	1:421:A:HIS:HD2	1:393:A:LEU:HD12	10	0.15
(1,3241)	1:421:A:HIS:HD2	1:393:A:LEU:HD13	10	0.15
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	5	0.15
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	5	0.15
(1,3218)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	5	0.15
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	4	0.15
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	9	0.15
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	11	0.15
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	16	0.15
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	17	0.15
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	20	0.15
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	7	0.15
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	7	0.15
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	7	0.15
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	3	0.15
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	5	0.15
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	7	0.15
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	9	0.15
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	2	0.15
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	12	0.15
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	2	0.15
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	7	0.15
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	8	0.15
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	9	0.15
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	17	0.15
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	18	0.15
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	1	0.15
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	6	0.15
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	13	0.15
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	18	0.15
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	1	0.15
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	3	0.15
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	4	0.15
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	5	0.15
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	6	0.15
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	7	0.15
(1,2935)	1:346:A:GLU:HG3	1:346:A:GLU:HB3	6	0.15
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	6	0.15
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	20	0.15
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	20	0.15
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	15	0.15
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	15	0.15
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	15	0.15
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	7	0.15
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	3	0.15
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	10	0.15
(1,2771)	1:372:A:LYS:HD2	1:372:A:LYS:HG3	5	0.15
(1,2771)	1:372:A:LYS:HD2	1:372:A:LYS:HG3	8	0.15
(1,2771)	1:372:A:LYS:HD2	1:372:A:LYS:HG3	12	0.15
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	10	0.15
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	4	0.15
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	4	0.15
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	4	0.15
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	7	0.15
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	7	0.15
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	7	0.15
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	17	0.15
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	19	0.15
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	3	0.15
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	3	0.15
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	3	0.15
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	3	0.15
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	3	0.15
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	3	0.15
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	8	0.15
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	8	0.15
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	8	0.15
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	11	0.15
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	11	0.15
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	11	0.15
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	13	0.15
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	13	0.15
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	13	0.15
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	3	0.15
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	5	0.15
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	7	0.15
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	8	0.15
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	10	0.15
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	11	0.15
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	5	0.15
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	11	0.15
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	20	0.15
(1,2515)	1:349:A:LEU:HD21	1:370:A:SER:HB2	2	0.15
(1,2515)	1:349:A:LEU:HD22	1:370:A:SER:HB2	2	0.15
(1,2515)	1:349:A:LEU:HD23	1:370:A:SER:HB2	2	0.15
(1,2510)	1:450:A:MET:HE1	1:421:A:HIS:HA	19	0.15
(1,2510)	1:450:A:MET:HE2	1:421:A:HIS:HA	19	0.15
(1,2510)	1:450:A:MET:HE3	1:421:A:HIS:HA	19	0.15
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	16	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	1	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	1	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	1	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	1	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	1	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	1	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	1	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	1	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	1	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	2	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	2	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	2	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	2	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	2	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	2	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	2	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	2	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	2	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	3	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	3	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	3	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	3	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	3	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	3	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	3	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	3	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	3	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	10	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	10	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	10	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	10	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	10	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	10	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	10	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	10	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	11	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	11	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	11	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	11	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	11	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	11	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	11	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	11	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	11	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	12	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	12	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	12	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	12	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	12	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	12	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	12	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	12	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	12	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	14	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	14	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	14	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	14	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	14	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	14	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	14	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	14	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	14	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	15	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	15	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	15	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	15	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	15	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	15	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	15	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	15	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	15	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	16	0.15
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	16	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	16	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	16	0.15
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	16	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	16	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	16	0.15
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	16	0.15
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	13	0.15
(1,2326)	1:427:A:PRO:HD3	1:428:A:GLU:H	7	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	2	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	3	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	4	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	5	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	6	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	7	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	8	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	9	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	10	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	11	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	14	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	15	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	17	0.15
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	20	0.15
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	2	0.15
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	6	0.15
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	10	0.15
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	11	0.15
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	12	0.15
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	13	0.15
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	14	0.15
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	15	0.15
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	16	0.15
(1,2273)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	17	0.15
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	14	0.15
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	14	0.15
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	14	0.15
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	3	0.15
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	3	0.15
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	3	0.15
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	19	0.15
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	19	0.15
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	5	0.15
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	6	0.15
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	8	0.15
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	18	0.15
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	20	0.15
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	9	0.15
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	2	0.15
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	10	0.15
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	13	0.15
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	20	0.15
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	3	0.15
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	7	0.15
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	15	0.15
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	18	0.15
(1,2081)	1:411:A:MET:HE1	1:411:A:MET:H	8	0.15
(1,2081)	1:411:A:MET:HE2	1:411:A:MET:H	8	0.15
(1,2081)	1:411:A:MET:HE3	1:411:A:MET:H	8	0.15
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	4	0.15
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	6	0.15
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	8	0.15
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	9	0.15
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	17	0.15
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	20	0.15
(1,2056)	1:398:A:ASP:HB3	1:397:A:ASN:HA	4	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	1	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	1	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	1	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	2	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	2	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	2	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	3	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	3	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	3	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	4	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	4	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	4	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	5	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	5	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	5	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	7	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	7	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	8	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	8	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	8	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	9	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	9	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	9	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	10	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	10	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	10	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	14	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	14	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	14	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	16	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	16	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	16	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB1	17	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB2	17	0.15
(1,2017)	1:363:A:ALA:HA	1:363:A:ALA:HB3	17	0.15
(1,2003)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	3	0.15
(1,2003)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	3	0.15
(1,2003)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	3	0.15
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	20	0.15
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	7	0.15
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	10	0.15
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	13	0.15
(1,1997)	1:424:A:ASP:HA	1:425:A:TRP:H	19	0.15
(1,1986)	1:384:A:VAL:HG21	1:384:A:VAL:HA	19	0.15
(1,1986)	1:384:A:VAL:HG22	1:384:A:VAL:HA	19	0.15
(1,1986)	1:384:A:VAL:HG23	1:384:A:VAL:HA	19	0.15
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	2	0.15
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	1	0.15
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	13	0.15
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	13	0.15
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	13	0.15
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	9	0.15
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	9	0.15
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	9	0.15
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	9	0.15
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	5	0.15
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	5	0.15
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	5	0.15
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	15	0.15
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	13	0.15
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	17	0.15
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	19	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	3	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	3	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	5	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	5	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	7	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	7	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	10	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	10	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	11	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	11	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	12	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	12	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	17	0.15
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	17	0.15
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	19	0.15
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	11	0.15
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	19	0.15
(1,1611)	1:364:A:LEU:HB3	1:356:A:TYR:HB3	20	0.15
(1,1596)	1:458:A:GLU:HG2	1:458:A:GLU:H	2	0.15
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	10	0.15
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	16	0.15
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	10	0.15
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	10	0.15
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	10	0.15
(1,1531)	1:372:A:LYS:HD3	1:372:A:LYS:HB3	17	0.15
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	6	0.15
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	11	0.15
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	11	0.15
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	2	0.15
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	2	0.15
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	2	0.15
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	3	0.15
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	3	0.15
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	3	0.15
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	6	0.15
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	6	0.15
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	6	0.15
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	14	0.15
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	14	0.15
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	15	0.15
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	15	0.15
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	15	0.15
(1,1414)	1:372:A:LYS:HE3	1:372:A:LYS:HG3	13	0.15
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	1	0.15
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	10	0.15
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	15	0.15
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	18	0.15
(1,1397)	1:432:A:ASP:HA	1:433:A:LEU:HB3	16	0.15
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	2	0.15
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	2	0.15
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	2	0.15
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	2	0.15
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	2	0.15
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	2	0.15
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	2	0.15
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	2	0.15
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	2	0.15
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	10	0.15
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	10	0.15
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	10	0.15
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	10	0.15
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	10	0.15
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	10	0.15
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	10	0.15
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	10	0.15
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	10	0.15
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	13	0.15
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	13	0.15
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	13	0.15
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	13	0.15
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	13	0.15
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	13	0.15
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	13	0.15
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	13	0.15
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	13	0.15
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	10	0.15
(1,1238)	1:433:A:LEU:HG	1:433:A:LEU:H	18	0.15
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	7	0.15
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	7	0.15
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	18	0.15
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	18	0.15
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	18	0.15
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	1	0.15
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	11	0.15
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	17	0.15
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	11	0.15
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	11	0.15
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	11	0.15
(1,1134)	1:451:A:LYS:HD3	1:451:A:LYS:HA	19	0.15
(1,1115)	1:398:A:ASP:HB2	1:399:A:ASP:HA	3	0.15
(1,1110)	1:447:A:PRO:HA	1:447:A:PRO:HG3	2	0.15
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	2	0.15
(1,997)	1:400:A:GLY:HA2	1:401:A:THR:H	6	0.15
(1,997)	1:400:A:GLY:HA2	1:401:A:THR:H	19	0.15
(1,976)	1:438:A:GLY:HA2	1:439:A:SER:HB2	3	0.15
(1,976)	1:438:A:GLY:HA2	1:439:A:SER:HB2	17	0.15
(1,976)	1:438:A:GLY:HA2	1:439:A:SER:HB2	19	0.15
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	6	0.15
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	6	0.15
(1,916)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	6	0.15
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	7	0.15
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	15	0.15
(1,861)	1:401:A:THR:HG21	1:401:A:THR:H	13	0.15
(1,861)	1:401:A:THR:HG22	1:401:A:THR:H	13	0.15
(1,861)	1:401:A:THR:HG23	1:401:A:THR:H	13	0.15
(1,861)	1:401:A:THR:HG21	1:401:A:THR:H	18	0.15
(1,861)	1:401:A:THR:HG22	1:401:A:THR:H	18	0.15
(1,861)	1:401:A:THR:HG23	1:401:A:THR:H	18	0.15
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD21	19	0.15
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD22	19	0.15
(1,785)	1:349:A:LEU:HD11	1:349:A:LEU:HD23	19	0.15
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD21	19	0.15
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD22	19	0.15
(1,785)	1:349:A:LEU:HD12	1:349:A:LEU:HD23	19	0.15
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD21	19	0.15
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD22	19	0.15
(1,785)	1:349:A:LEU:HD13	1:349:A:LEU:HD23	19	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	3	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	4	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	7	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	8	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	9	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	10	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	11	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	12	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	13	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	14	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	15	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	16	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	17	0.15
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	20	0.15
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	17	0.15
(1,746)	1:390:A:ASP:HB2	1:390:A:ASP:HA	1	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	3	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	4	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	6	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	7	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	8	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	9	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	10	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	12	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	13	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	14	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	15	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	16	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	17	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	18	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	19	0.15
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	20	0.15
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	7	0.15
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	9	0.15
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	3	0.15
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	9	0.15
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	17	0.15
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	19	0.15
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	6	0.15
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	9	0.15
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	10	0.15
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	11	0.15
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	12	0.15
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	16	0.15
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	17	0.15
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	18	0.15
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	20	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	1	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	2	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	3	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	4	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	5	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	6	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	7	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	8	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	9	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	10	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	11	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	12	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	13	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	14	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	15	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	16	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	18	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	19	0.15
(1,632)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	20	0.15
(1,606)	1:451:A:LYS:HE2	1:451:A:LYS:HG2	2	0.15
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	9	0.15
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	13	0.15
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	15	0.15
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	19	0.15
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	3	0.15
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	5	0.15
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	6	0.15
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	19	0.15
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	8	0.15
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	16	0.15
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	3	0.15
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	3	0.15
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	3	0.15
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	16	0.15
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	16	0.15
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	16	0.15
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	17	0.15
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	17	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	1	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	2	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	3	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	4	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	5	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	6	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	7	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	8	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	9	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	10	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	11	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	12	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	13	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	14	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	15	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	16	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	18	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	19	0.15
(1,499)	1:404:A:GLU:HG3	1:404:A:GLU:HG2	20	0.15
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	6	0.15
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	5	0.15
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	5	0.15
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	5	0.15
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	6	0.15
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	6	0.15
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	6	0.15
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	15	0.15
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	15	0.15
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	15	0.15
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	14	0.15
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	15	0.15
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	2	0.15
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	4	0.15
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	10	0.15
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	15	0.15
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	19	0.15
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	19	0.15
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD11	1	0.15
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD12	1	0.15
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD13	1	0.15
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD11	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD12	1	0.15
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD13	1	0.15
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD11	1	0.15
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD12	1	0.15
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD13	1	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	1	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	1	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	1	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	1	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	1	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	1	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	1	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	1	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	1	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	2	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	2	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	2	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	2	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	2	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	2	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	2	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	2	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	2	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	3	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	3	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	3	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	3	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	3	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	3	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	3	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	3	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	3	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	4	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	4	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	4	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	4	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	4	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	4	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	4	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	4	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	4	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	5	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	5	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	5	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	5	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	5	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	5	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	5	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	5	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	7	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	7	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	7	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	7	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	7	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	7	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	7	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	7	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	7	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	10	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	10	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	10	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	10	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	10	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	10	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	10	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	10	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	10	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	12	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	12	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	12	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	12	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	12	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	12	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	12	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	12	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	12	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	13	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	13	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	13	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	13	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	13	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	13	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	13	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	13	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	15	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	15	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	15	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	15	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	15	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	15	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	15	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	15	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	15	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	18	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	18	0.15
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	18	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	18	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	18	0.15
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	18	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	18	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	18	0.15
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	18	0.15
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	7	0.15
(1,227)	1:456:A:MET:HG3	1:457:A:VAL:H	5	0.15
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	14	0.15
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	8	0.15
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	10	0.15
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	20	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	1	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	2	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	3	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	4	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	6	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	7	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	8	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	12	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	14	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	15	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	17	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	18	0.15
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	19	0.15
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	3	0.15
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	4	0.15
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	10	0.15
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	11	0.15
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	12	0.15
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	13	0.15
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	17	0.15
(1,34)	1:435:A:LYS:HA	1:435:A:LYS:HG2	13	0.15
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	6	0.15
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	6	0.15
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	6	0.15
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	7	0.15
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	7	0.15
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	7	0.15
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	15	0.15
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	15	0.15
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	15	0.15
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	9	0.15
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	14	0.14
(1,4218)	1:455:A:GLY:H	1:454:A:PHE:H	16	0.14
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	1	0.14
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	2	0.14
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	5	0.14
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	8	0.14
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	9	0.14
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	13	0.14
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	15	0.14
(1,4194)	1:466:A:PHE:H	1:466:A:PHE:HA	18	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	3	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	4	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	8	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	10	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	12	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	13	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	14	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	16	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	17	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	18	0.14
(1,4145)	1:353:A:HIS:H	1:352:A:GLN:HA	4	0.14
(1,4141)	1:359:A:ASP:H	1:343:A:THR:HA	14	0.14
(1,4141)	1:359:A:ASP:H	1:343:A:THR:HA	19	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	4	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	4	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	5	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	5	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	5	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	6	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	6	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	6	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	9	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	9	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	9	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	14	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	14	0.14
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	14	0.14
(1,4100)	1:436:A:THR:H	1:435:A:LYS:HG2	12	0.14
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	2	0.14
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	3	0.14
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	4	0.14
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	9	0.14
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	10	0.14
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	12	0.14
(1,4081)	1:426:A:GLN:HE21	1:437:A:ARG:HB3	12	0.14
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	1	0.14
(1,4065)	1:347:A:VAL:H	1:466:A:PHE:H	17	0.14
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	8	0.14
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	10	0.14
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	11	0.14
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	13	0.14
(1,4057)	1:429:A:TYR:H	1:428:A:GLU:HB2	8	0.14
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	12	0.14
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	13	0.14
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	3	0.14
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	4	0.14
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	7	0.14
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	9	0.14
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	10	0.14
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	12	0.14
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	17	0.14
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	1	0.14
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	2	0.14
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	6	0.14
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	7	0.14
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	10	0.14
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	9	0.14
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	11	0.14
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	13	0.14
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	14	0.14
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	15	0.14
(1,3897)	1:450:A:MET:H	1:449:A:VAL:H	14	0.14
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	20	0.14
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	20	0.14
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	20	0.14
(1,3812)	1:393:A:LEU:H	1:405:A:SER:HB2	10	0.14
(1,3805)	1:343:A:THR:H	1:342:A:ASP:H	18	0.14
(1,3781)	1:430:A:GLY:H	1:369:A:VAL:HA	4	0.14
(1,3781)	1:430:A:GLY:H	1:369:A:VAL:HA	6	0.14
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	8	0.14
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	12	0.14
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	13	0.14
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	14	0.14
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	1	0.14
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	2	0.14
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	6	0.14
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	9	0.14
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	10	0.14
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	11	0.14
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	12	0.14
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	14	0.14
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	17	0.14
(1,3748)	1:369:A:VAL:H	1:369:A:VAL:HA	19	0.14
(1,3711)	1:425:A:TRP:HE1	1:426:A:GLN:HB2	7	0.14
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	3	0.14
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	11	0.14
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	1	0.14
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	6	0.14
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	12	0.14
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	17	0.14
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	3	0.14
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	6	0.14
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	8	0.14
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	9	0.14
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	14	0.14
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	16	0.14
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	17	0.14
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	3	0.14
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	8	0.14
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	13	0.14
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	14	0.14
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	2	0.14
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	3	0.14
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	4	0.14
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	6	0.14
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	9	0.14
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	13	0.14
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	14	0.14
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	16	0.14
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	20	0.14
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	5	0.14
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	5	0.14
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	5	0.14
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD21	16	0.14
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD22	16	0.14
(1,3521)	1:350:A:GLU:H	1:349:A:LEU:HD23	16	0.14
(1,3514)	1:466:A:PHE:H	1:347:A:VAL:HB	5	0.14
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	1	0.14
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	11	0.14
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	11	0.14
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	16	0.14
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	17	0.14
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	19	0.14
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	20	0.14
(1,3480)	1:448:A:SER:H	1:448:A:SER:HB2	12	0.14
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	19	0.14
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	19	0.14
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	7	0.14
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	10	0.14
(1,3463)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	19	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	2	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	2	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	2	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	12	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	12	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	12	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	16	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	16	0.14
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3372)	1:434:A:TRP:HH2	1:373:A:PRO:HG3	7	0.14
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	6	0.14
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	10	0.14
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	11	0.14
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	12	0.14
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	18	0.14
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	19	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	1	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	3	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	5	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	6	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	7	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	9	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	10	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	12	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	15	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	16	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	17	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	18	0.14
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	20	0.14
(1,3303)	1:353:A:HIS:HE1	1:365:A:GLU:HG3	2	0.14
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	5	0.14
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	7	0.14
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	11	0.14
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	1	0.14
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	1	0.14
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	4	0.14
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	4	0.14
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	6	0.14
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	6	0.14
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	10	0.14
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	10	0.14
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	13	0.14
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	13	0.14
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	15	0.14
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	15	0.14
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	18	0.14
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	18	0.14
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	4	0.14
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	4	0.14
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	4	0.14
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	5	0.14
(1,3269)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	5	0.14
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	18	0.14
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	19	0.14
(1,3230)	1:454:A:PHE:HE1	1:389:A:GLU:HG3	17	0.14
(1,3230)	1:454:A:PHE:HE2	1:389:A:GLU:HG3	17	0.14
(1,3224)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	7	0.14
(1,3224)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	7	0.14
(1,3220)	1:355:A:TRP:HE3	1:346:A:GLU:HB3	12	0.14
(1,3217)	1:434:A:TRP:HZ3	1:434:A:TRP:HB2	6	0.14
(1,3200)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	19	0.14
(1,3200)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	19	0.14
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	2	0.14
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	2	0.14
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	2	0.14
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	11	0.14
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	11	0.14
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	11	0.14
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	13	0.14
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	13	0.14
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	13	0.14
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	20	0.14
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	20	0.14
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	20	0.14
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	4	0.14
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	4	0.14
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	4	0.14
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	16	0.14
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	16	0.14
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	16	0.14
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	1	0.14
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	4	0.14
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	5	0.14
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	9	0.14
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	11	0.14
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	17	0.14
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	18	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	1	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	2	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	3	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	4	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	8	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	10	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	11	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	12	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	13	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	14	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	15	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	16	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	17	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	19	0.14
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	20	0.14
(1,3064)	1:361:A:LYS:HG2	1:361:A:LYS:H	5	0.14
(1,3055)	1:388:A:GLU:HB3	1:387:A:LYS:HA	13	0.14
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	4	0.14
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	10	0.14
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	11	0.14
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	13	0.14
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	15	0.14
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	20	0.14
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	7	0.14
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	16	0.14
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	4	0.14
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	1	0.14
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	2	0.14
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	3	0.14
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	8	0.14
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	11	0.14
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	15	0.14
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	19	0.14
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	20	0.14
(1,2878)	1:450:A:MET:HE1	1:452:A:GLU:H	19	0.14
(1,2878)	1:450:A:MET:HE2	1:452:A:GLU:H	19	0.14
(1,2878)	1:450:A:MET:HE3	1:452:A:GLU:H	19	0.14
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	3	0.14
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	5	0.14
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	13	0.14
(1,2771)	1:372:A:LYS:HD2	1:372:A:LYS:HG3	20	0.14
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	19	0.14
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	20	0.14
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	20	0.14
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	20	0.14
(1,2691)	1:459:A:LYS:HE2	1:459:A:LYS:HG2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	14	0.14
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	14	0.14
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	14	0.14
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	2	0.14
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	2	0.14
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	2	0.14
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	12	0.14
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	12	0.14
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	12	0.14
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	18	0.14
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	18	0.14
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	18	0.14
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	13	0.14
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	15	0.14
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	20	0.14
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD1	16	0.14
(1,2593)	1:381:A:VAL:HG11	1:383:A:TYR:HD2	16	0.14
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD1	16	0.14
(1,2593)	1:381:A:VAL:HG12	1:383:A:TYR:HD2	16	0.14
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD1	16	0.14
(1,2593)	1:381:A:VAL:HG13	1:383:A:TYR:HD2	16	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	1	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	2	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	3	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	4	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	6	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	7	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	8	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	9	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	10	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	12	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	13	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	14	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	15	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	17	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	18	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	19	0.14
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	20	0.14
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	10	0.14
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	8	0.14
(1,2465)	1:448:A:SER:HA	1:447:A:PRO:HA	9	0.14
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	13	0.14
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	13	0.14
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	13	0.14
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	13	0.14
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	13	0.14
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	13	0.14
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	13	0.14
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	13	0.14
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	13	0.14
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	17	0.14
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	17	0.14
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	17	0.14
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	17	0.14
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	17	0.14
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	17	0.14
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	17	0.14
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	17	0.14
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	17	0.14
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	4	0.14
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	2	0.14
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	2	0.14
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	2	0.14
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	1	0.14
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	13	0.14
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	18	0.14
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	3	0.14
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	12	0.14
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	7	0.14
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	7	0.14
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	7	0.14
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	8	0.14
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	8	0.14
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	8	0.14
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	9	0.14
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	9	0.14
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	9	0.14
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	10	0.14
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	10	0.14
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	10	0.14
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	12	0.14
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	12	0.14
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	13	0.14
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	13	0.14
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	13	0.14
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	17	0.14
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	17	0.14
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	17	0.14
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	20	0.14
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	20	0.14
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	20	0.14
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	2	0.14
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	4	0.14
(1,2101)	1:342:A:ASP:HB2	1:342:A:ASP:H	12	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	1	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	2	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	3	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	5	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	7	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	9	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	10	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	12	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	16	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	18	0.14
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	19	0.14
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	1	0.14
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	8	0.14
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	9	0.14
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	11	0.14
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	13	0.14
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	14	0.14
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	17	0.14
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	2	0.14
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	11	0.14
(1,2077)	1:435:A:LYS:HA	1:435:A:LYS:HD2	15	0.14
(1,2056)	1:398:A:ASP:HB3	1:397:A:ASN:HA	1	0.14
(1,2056)	1:398:A:ASP:HB3	1:397:A:ASN:HA	20	0.14
(1,1999)	1:359:A:ASP:HB2	1:359:A:ASP:H	5	0.14
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	5	0.14
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	6	0.14
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	3	0.14
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	3	0.14
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	3	0.14
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	5	0.14
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	5	0.14
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	9	0.14
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	9	0.14
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	9	0.14
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	11	0.14
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	11	0.14
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	11	0.14
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	16	0.14
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	16	0.14
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	16	0.14
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	5	0.14
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	5	0.14
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	5	0.14
(1,1784)	1:393:A:LEU:HD21	1:393:A:LEU:HG	10	0.14
(1,1784)	1:393:A:LEU:HD22	1:393:A:LEU:HG	10	0.14
(1,1784)	1:393:A:LEU:HD23	1:393:A:LEU:HG	10	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	1	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	1	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	1	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	2	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	2	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	2	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	7	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	7	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	7	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	11	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	11	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	11	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	13	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	13	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	13	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	14	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	14	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	14	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	15	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	15	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	15	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	16	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	16	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	16	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	18	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	18	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	20	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	20	0.14
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	20	0.14
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	1	0.14
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	1	0.14
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	1	0.14
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	4	0.14
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	4	0.14
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	4	0.14
(1,1704)	1:366:A:THR:HG21	1:367:A:ASP:HA	19	0.14
(1,1704)	1:366:A:THR:HG22	1:367:A:ASP:HA	19	0.14
(1,1704)	1:366:A:THR:HG23	1:367:A:ASP:HA	19	0.14
(1,1671)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	7	0.14
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	8	0.14
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	10	0.14
(1,1646)	1:368:A:ILE:HD11	1:368:A:ILE:H	7	0.14
(1,1646)	1:368:A:ILE:HD12	1:368:A:ILE:H	7	0.14
(1,1646)	1:368:A:ILE:HD13	1:368:A:ILE:H	7	0.14
(1,1646)	1:368:A:ILE:HD11	1:368:A:ILE:H	13	0.14
(1,1646)	1:368:A:ILE:HD12	1:368:A:ILE:H	13	0.14
(1,1646)	1:368:A:ILE:HD13	1:368:A:ILE:H	13	0.14
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	2	0.14
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	3	0.14
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	6	0.14
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	16	0.14
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	17	0.14
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	7	0.14
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	8	0.14
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	9	0.14
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	10	0.14
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	11	0.14
(1,1596)	1:458:A:GLU:HG2	1:458:A:GLU:H	7	0.14
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	12	0.14
(1,1529)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	20	0.14
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	12	0.14
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	14	0.14
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	4	0.14
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	8	0.14
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	12	0.14
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	14	0.14
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	14	0.14
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	14	0.14
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	14	0.14
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	4	0.14
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	4	0.14
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	4	0.14
(1,1416)	1:456:A:MET:HE1	1:456:A:MET:HG3	5	0.14
(1,1416)	1:456:A:MET:HE2	1:456:A:MET:HG3	5	0.14
(1,1416)	1:456:A:MET:HE3	1:456:A:MET:HG3	5	0.14
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	2	0.14
(1,1397)	1:432:A:ASP:HA	1:433:A:LEU:HB3	5	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	1	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	1	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	1	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	1	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	1	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	1	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	1	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	1	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	1	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	3	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	3	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	3	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	3	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	3	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	3	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	3	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	3	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	3	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	4	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	4	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	4	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	4	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	4	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	4	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	4	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	4	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	4	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	8	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	8	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	8	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	8	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	8	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	8	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	8	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	8	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	9	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	9	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	9	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	9	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	9	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	9	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	9	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	9	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	9	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	11	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	11	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	11	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	11	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	11	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	11	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	11	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	11	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	11	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	18	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	18	0.14
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	18	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	18	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	18	0.14
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	18	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	18	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	18	0.14
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	18	0.14
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	2	0.14
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	6	0.14
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	8	0.14
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	9	0.14
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	13	0.14
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	16	0.14
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	17	0.14
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	18	0.14
(1,1245)	1:393:A:LEU:HD21	1:407:A:VAL:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:393:A:LEU:HD22	1:407:A:VAL:H	10	0.14
(1,1245)	1:393:A:LEU:HD23	1:407:A:VAL:H	10	0.14
(1,1212)	1:411:A:MET:HE1	1:411:A:MET:HG3	8	0.14
(1,1212)	1:411:A:MET:HE2	1:411:A:MET:HG3	8	0.14
(1,1212)	1:411:A:MET:HE3	1:411:A:MET:HG3	8	0.14
(1,1210)	1:376:A:PRO:HB3	1:377:A:THR:H	8	0.14
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	14	0.14
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	14	0.14
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	14	0.14
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	19	0.14
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	19	0.14
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	19	0.14
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	10	0.14
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	10	0.14
(1,1208)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	10	0.14
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	10	0.14
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	10	0.14
(1,1208)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	10	0.14
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	10	0.14
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	10	0.14
(1,1208)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	10	0.14
(1,1206)	1:370:A:SER:HB2	1:369:A:VAL:HA	2	0.14
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	2	0.14
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	4	0.14
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	11	0.14
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	18	0.14
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	20	0.14
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	2	0.14
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	12	0.14
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	2	0.14
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	2	0.14
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	2	0.14
(1,1115)	1:398:A:ASP:HB2	1:399:A:ASP:HA	18	0.14
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	4	0.14
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	4	0.14
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	4	0.14
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	5	0.14
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	5	0.14
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	5	0.14
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	8	0.14
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	8	0.14
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	10	0.14
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	10	0.14
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	10	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	10	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	10	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	10	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	14	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	14	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	14	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	15	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	15	0.14
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	15	0.14
(1,976)	1:438:A:GLY:HA2	1:439:A:SER:HB2	1	0.14
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	9	0.14
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	5	0.14
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	6	0.14
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	19	0.14
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	20	0.14
(1,845)	1:341:A:GLU:HA	1:341:A:GLU:HB2	18	0.14
(1,792)	1:396:A:THR:HG21	1:397:A:ASN:H	3	0.14
(1,792)	1:396:A:THR:HG22	1:397:A:ASN:H	3	0.14
(1,792)	1:396:A:THR:HG23	1:397:A:ASN:H	3	0.14
(1,792)	1:396:A:THR:HG21	1:397:A:ASN:H	19	0.14
(1,792)	1:396:A:THR:HG22	1:397:A:ASN:H	19	0.14
(1,792)	1:396:A:THR:HG23	1:397:A:ASN:H	19	0.14
(1,769)	1:364:A:LEU:HA	1:364:A:LEU:HB3	19	0.14
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	4	0.14
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	5	0.14
(1,748)	1:396:A:THR:HB	1:397:A:ASN:HA	5	0.14
(1,737)	1:397:A:ASN:HB2	1:397:A:ASN:HA	11	0.14
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	15	0.14
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	3	0.14
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	3	0.14
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	3	0.14
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	5	0.14
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	5	0.14
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	5	0.14
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	9	0.14
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	9	0.14
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	9	0.14
(1,694)	1:436:A:THR:HB	1:437:A:ARG:H	13	0.14
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	4	0.14
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	6	0.14
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	8	0.14
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	10	0.14
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	11	0.14
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	12	0.14
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	13	0.14
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	16	0.14
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	20	0.14
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	7	0.14
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	9	0.14
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	19	0.14
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	1	0.14
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	2	0.14
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	3	0.14
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	4	0.14
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	5	0.14
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	7	0.14
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	8	0.14
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	14	0.14
(1,649)	1:354:A:MET:HG3	1:354:A:MET:HB3	15	0.14
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	17	0.14
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	8	0.14
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	12	0.14
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	14	0.14
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	15	0.14
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	16	0.14
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	20	0.14
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	5	0.14
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	10	0.14
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	11	0.14
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	15	0.14
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	20	0.14
(1,547)	1:413:A:ILE:HG21	1:383:A:TYR:H	14	0.14
(1,547)	1:413:A:ILE:HG22	1:383:A:TYR:H	14	0.14
(1,547)	1:413:A:ILE:HG23	1:383:A:TYR:H	14	0.14
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	1	0.14
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	1	0.14
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	1	0.14
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	2	0.14
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	2	0.14
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	5	0.14
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	5	0.14
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	5	0.14
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	10	0.14
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	10	0.14
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	10	0.14
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	1	0.14
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	2	0.14
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	3	0.14
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	8	0.14
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	11	0.14
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	15	0.14
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	19	0.14
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	20	0.14
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	10	0.14
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	10	0.14
(1,451)	1:393:A:LEU:HD21	1:410:A:TRP:HZ3	18	0.14
(1,451)	1:393:A:LEU:HD22	1:410:A:TRP:HZ3	18	0.14
(1,451)	1:393:A:LEU:HD23	1:410:A:TRP:HZ3	18	0.14
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	2	0.14
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	2	0.14
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	2	0.14
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	12	0.14
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	12	0.14
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	12	0.14
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	16	0.14
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	16	0.14
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	16	0.14
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	18	0.14
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	18	0.14
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	18	0.14
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	7	0.14
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	7	0.14
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	7	0.14
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	9	0.14
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	9	0.14
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	9	0.14
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	9	0.14
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	11	0.14
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	10	0.14
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	10	0.14
(1,372)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	10	0.14
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	10	0.14
(1,372)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	10	0.14
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	10	0.14
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	10	0.14
(1,372)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	10	0.14
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD11	7	0.14
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD12	7	0.14
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD13	7	0.14
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD11	7	0.14
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD12	7	0.14
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD13	7	0.14
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD11	7	0.14
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD12	7	0.14
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD13	7	0.14
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD11	9	0.14
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD12	9	0.14
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD13	9	0.14
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD11	9	0.14
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD12	9	0.14
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD13	9	0.14
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD11	9	0.14
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD12	9	0.14
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD13	9	0.14
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	15	0.14
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	15	0.14
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	15	0.14
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	19	0.14
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	19	0.14
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	19	0.14
(1,329)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	19	0.14
(1,270)	1:459:A:LYS:HB2	1:459:A:LYS:HA	18	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	6	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	6	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	6	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	6	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	6	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	6	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	6	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	6	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	6	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	9	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	9	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	9	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	9	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	9	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	9	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	9	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	9	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	11	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	11	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	11	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	11	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	11	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	11	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	11	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	11	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	11	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	16	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	16	0.14
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	16	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	16	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	16	0.14
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	16	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	16	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	16	0.14
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	16	0.14
(1,239)	1:393:A:LEU:HB3	1:393:A:LEU:HG	10	0.14
(1,227)	1:456:A:MET:HG3	1:457:A:VAL:H	18	0.14
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	5	0.14
(1,218)	1:357:A:TYR:HA	1:356:A:TYR:HB3	7	0.14
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	2	0.14
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	5	0.14
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	9	0.14
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	10	0.14
(1,109)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	20	0.14
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	2	0.14
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	7	0.14
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	9	0.14
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	14	0.14
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	16	0.14
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	13	0.14
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	5	0.14
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	5	0.14
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	14	0.14
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	14	0.14
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	14	0.14
(1,31)	1:368:A:ILE:HG21	1:368:A:ILE:HG12	18	0.14
(1,31)	1:368:A:ILE:HG22	1:368:A:ILE:HG12	18	0.14
(1,31)	1:368:A:ILE:HG23	1:368:A:ILE:HG12	18	0.14
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	1	0.14
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	8	0.14
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	5	0.14
(1,8)	1:341:A:GLU:HG3	1:341:A:GLU:H	5	0.14
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	1	0.13
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	6	0.13
(1,4157)	1:429:A:TYR:H	1:428:A:GLU:HA	5	0.13
(1,4141)	1:359:A:ASP:H	1:343:A:THR:HA	10	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	1	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	1	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	1	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	8	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	8	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	8	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	11	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	11	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	11	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	12	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	12	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	12	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	18	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	18	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	18	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	20	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	20	0.13
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	20	0.13
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	4	0.13
(1,4100)	1:436:A:THR:H	1:435:A:LYS:HG2	14	0.13
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	6	0.13
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	8	0.13
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	11	0.13
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	13	0.13
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	14	0.13
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	16	0.13
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	17	0.13
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	18	0.13
(1,4081)	1:426:A:GLN:HE21	1:437:A:ARG:HB3	4	0.13
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	7	0.13
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	19	0.13
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	5	0.13
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	10	0.13
(1,3978)	1:357:A:TYR:H	1:344:A:TYR:H	20	0.13
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	10	0.13
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	2	0.13
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	6	0.13
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	19	0.13
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	7	0.13
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	9	0.13
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	3	0.13
(1,3917)	1:410:A:TRP:H	1:410:A:TRP:HB3	14	0.13
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	8	0.13
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	16	0.13
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	3	0.13
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	10	0.13
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	20	0.13
(1,3892)	1:360:A:GLY:H	1:357:A:TYR:HB3	5	0.13
(1,3892)	1:360:A:GLY:H	1:357:A:TYR:HB3	7	0.13
(1,3892)	1:360:A:GLY:H	1:357:A:TYR:HB3	14	0.13
(1,3882)	1:408:A:ASN:HD22	1:408:A:ASN:H	4	0.13
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	2	0.13
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	2	0.13
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	2	0.13
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	17	0.13
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	17	0.13
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	17	0.13
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	16	0.13
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	16	0.13
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	16	0.13
(1,3781)	1:430:A:GLY:H	1:369:A:VAL:HA	12	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	6	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	6	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	6	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	8	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	8	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	9	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	9	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	9	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	11	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	11	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	11	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	13	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	13	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	13	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	15	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	15	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	15	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	19	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	19	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	19	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	20	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	20	0.13
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	20	0.13
(1,3770)	1:442:A:CYS:H	1:442:A:CYS:HB3	17	0.13
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	2	0.13
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	5	0.13
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	4	0.13
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	7	0.13
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	9	0.13
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	15	0.13
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	20	0.13
(1,3752)	1:425:A:TRP:HE1	1:444:A:ASN:HB2	5	0.13
(1,3699)	1:441:A:GLY:H	1:439:A:SER:HA	14	0.13
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	2	0.13
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	1	0.13
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	7	0.13
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	13	0.13
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	15	0.13
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	1	0.13
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	3	0.13
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	9	0.13
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	15	0.13
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	20	0.13
(1,3618)	1:463:A:VAL:H	1:462:A:PRO:HB2	16	0.13
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	17	0.13
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	6	0.13
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	6	0.13
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD11	19	0.13
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD12	19	0.13
(1,3597)	1:431:A:GLY:H	1:433:A:LEU:HD13	19	0.13
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	10	0.13
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	10	0.13
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	10	0.13
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB1	19	0.13
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB2	19	0.13
(1,3585)	1:391:A:ALA:H	1:391:A:ALA:HB3	19	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	1	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	5	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	7	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	8	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	10	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	11	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	12	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	15	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	17	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	18	0.13
(1,3583)	1:343:A:THR:H	1:343:A:THR:HA	19	0.13
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	4	0.13
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	4	0.13
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	4	0.13
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	12	0.13
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	12	0.13
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	12	0.13
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD11	6	0.13
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD12	6	0.13
(1,3536)	1:420:A:ILE:H	1:420:A:ILE:HD13	6	0.13
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	9	0.13
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	2	0.13
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	7	0.13
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	12	0.13
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG11	9	0.13
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG12	9	0.13
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG13	9	0.13
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	3	0.13
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	3	0.13
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	7	0.13
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	7	0.13
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	8	0.13
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	11	0.13
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	11	0.13
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	14	0.13
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	14	0.13
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	16	0.13
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	16	0.13
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	17	0.13
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	17	0.13
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	20	0.13
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	20	0.13
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	7	0.13
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	7	0.13
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	7	0.13
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	15	0.13
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	15	0.13
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	15	0.13
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	20	0.13
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	20	0.13
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	20	0.13
(1,3449)	1:466:A:PHE:HZ	1:464:A:LEU:HD11	6	0.13
(1,3449)	1:466:A:PHE:HZ	1:464:A:LEU:HD12	6	0.13
(1,3449)	1:466:A:PHE:HZ	1:464:A:LEU:HD13	6	0.13
(1,3442)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	5	0.13
(1,3440)	1:466:A:PHE:HD1	1:466:A:PHE:HA	19	0.13
(1,3440)	1:466:A:PHE:HD2	1:466:A:PHE:HA	19	0.13
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	7	0.13
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	14	0.13
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	2	0.13
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	4	0.13
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	8	0.13
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	11	0.13
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	13	0.13
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	14	0.13
(1,3361)	1:415:A:TRP:HH2	1:415:A:TRP:HZ2	19	0.13
(1,3293)	1:409:A:TYR:HE1	1:408:A:ASN:HB3	1	0.13
(1,3293)	1:409:A:TYR:HE2	1:408:A:ASN:HB3	1	0.13
(1,3293)	1:409:A:TYR:HE1	1:408:A:ASN:HB3	10	0.13
(1,3293)	1:409:A:TYR:HE2	1:408:A:ASN:HB3	10	0.13
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	2	0.13
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	2	0.13
(1,3292)	1:356:A:TYR:HD1	1:356:A:TYR:HB3	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3292)	1:356:A:TYR:HD2	1:356:A:TYR:HB3	9	0.13
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	14	0.13
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	14	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	1	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	2	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	3	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	4	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	5	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	6	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	7	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	10	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	11	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	12	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	14	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	15	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	16	0.13
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	17	0.13
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	16	0.13
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	16	0.13
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	16	0.13
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	16	0.13
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	18	0.13
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	18	0.13
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	18	0.13
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	18	0.13
(1,3224)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	8	0.13
(1,3224)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	8	0.13
(1,3207)	1:409:A:TYR:HE1	1:409:A:TYR:HA	14	0.13
(1,3207)	1:409:A:TYR:HE2	1:409:A:TYR:HA	14	0.13
(1,3147)	1:427:A:PRO:HB2	1:428:A:GLU:H	9	0.13
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	7	0.13
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	1	0.13
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	1	0.13
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	1	0.13
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	3	0.13
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	3	0.13
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	3	0.13
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	4	0.13
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	4	0.13
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	4	0.13
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	9	0.13
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	9	0.13
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	12	0.13
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	12	0.13
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	12	0.13
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	14	0.13
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	14	0.13
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	14	0.13
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	15	0.13
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	15	0.13
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	15	0.13
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	16	0.13
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	16	0.13
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	16	0.13
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	2	0.13
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	2	0.13
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	2	0.13
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	8	0.13
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	8	0.13
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	8	0.13
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	10	0.13
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	10	0.13
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	10	0.13
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	12	0.13
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	12	0.13
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	12	0.13
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	13	0.13
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	13	0.13
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	13	0.13
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	17	0.13
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	17	0.13
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	17	0.13
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	13	0.13
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	14	0.13
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	17	0.13
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	2	0.13
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	3	0.13
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	6	0.13
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	7	0.13
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	8	0.13
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	12	0.13
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	13	0.13
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	15	0.13
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	20	0.13
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	5	0.13
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	6	0.13
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	12	0.13
(1,3036)	1:435:A:LYS:HB2	1:435:A:LYS:HD3	14	0.13
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	9	0.13
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	17	0.13
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	18	0.13
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	19	0.13
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	11	0.13
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	13	0.13
(1,2985)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	4	0.13
(1,2953)	1:389:A:GLU:HB3	1:389:A:GLU:HA	19	0.13
(1,2944)	1:340:A:MET:HG2	1:341:A:GLU:H	15	0.13
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	7	0.13
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	12	0.13
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	13	0.13
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	14	0.13
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	18	0.13
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	11	0.13
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	13	0.13
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	14	0.13
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	20	0.13
(1,2878)	1:450:A:MET:HE1	1:452:A:GLU:H	10	0.13
(1,2878)	1:450:A:MET:HE2	1:452:A:GLU:H	10	0.13
(1,2878)	1:450:A:MET:HE3	1:452:A:GLU:H	10	0.13
(1,2878)	1:450:A:MET:HE1	1:452:A:GLU:H	14	0.13
(1,2878)	1:450:A:MET:HE2	1:452:A:GLU:H	14	0.13
(1,2878)	1:450:A:MET:HE3	1:452:A:GLU:H	14	0.13
(1,2878)	1:450:A:MET:HE1	1:452:A:GLU:H	16	0.13
(1,2878)	1:450:A:MET:HE2	1:452:A:GLU:H	16	0.13
(1,2878)	1:450:A:MET:HE3	1:452:A:GLU:H	16	0.13
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	2	0.13
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	2	0.13
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	2	0.13
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	5	0.13
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	19	0.13
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	6	0.13
(1,2738)	1:407:A:VAL:HG11	1:407:A:VAL:H	10	0.13
(1,2738)	1:407:A:VAL:HG12	1:407:A:VAL:H	10	0.13
(1,2738)	1:407:A:VAL:HG13	1:407:A:VAL:H	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	4	0.13
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	11	0.13
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	1	0.13
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	1	0.13
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	1	0.13
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	12	0.13
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	12	0.13
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	12	0.13
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	14	0.13
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	14	0.13
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	14	0.13
(1,2691)	1:459:A:LYS:HE2	1:459:A:LYS:HG2	10	0.13
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	8	0.13
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	8	0.13
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	8	0.13
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	5	0.13
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	5	0.13
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	5	0.13
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	6	0.13
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	18	0.13
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	11	0.13
(1,2576)	1:364:A:LEU:HG	1:364:A:LEU:HB3	16	0.13
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	2	0.13
(1,2527)	1:459:A:LYS:HG3	1:459:A:LYS:HA	5	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	1	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	6	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	7	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	8	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	9	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	10	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	11	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	12	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	13	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	16	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	17	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	19	0.13
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	20	0.13
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	6	0.13
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	1	0.13
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	18	0.13
(1,2446)	1:424:A:ASP:HB2	1:424:A:ASP:H	19	0.13
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD11	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD12	7	0.13
(1,2443)	1:456:A:MET:HE1	1:364:A:LEU:HD13	7	0.13
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD11	7	0.13
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD12	7	0.13
(1,2443)	1:456:A:MET:HE2	1:364:A:LEU:HD13	7	0.13
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD11	7	0.13
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD12	7	0.13
(1,2443)	1:456:A:MET:HE3	1:364:A:LEU:HD13	7	0.13
(1,2421)	1:341:A:GLU:HA	1:341:A:GLU:HG2	16	0.13
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	7	0.13
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	7	0.13
(1,2398)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	7	0.13
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	12	0.13
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	12	0.13
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	12	0.13
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	16	0.13
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	16	0.13
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	16	0.13
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	16	0.13
(1,2319)	1:350:A:GLU:HA	1:350:A:GLU:HB3	19	0.13
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	16	0.13
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	1	0.13
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	1	0.13
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	1	0.13
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	5	0.13
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	5	0.13
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	5	0.13
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	1	0.13
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	1	0.13
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	1	0.13
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	2	0.13
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	2	0.13
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	2	0.13
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	11	0.13
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	11	0.13
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	11	0.13
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	18	0.13
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	18	0.13
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	18	0.13
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	17	0.13
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	4	0.13
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	8	0.13
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	11	0.13
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	13	0.13
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	14	0.13
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	15	0.13
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	17	0.13
(1,2090)	1:394:A:LYS:HB2	1:394:A:LYS:HA	20	0.13
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	2	0.13
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	4	0.13
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	5	0.13
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	6	0.13
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	10	0.13
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	12	0.13
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	19	0.13
(1,2088)	1:386:A:ASN:HB2	1:386:A:ASN:HD21	20	0.13
(1,2056)	1:398:A:ASP:HB3	1:397:A:ASN:HA	5	0.13
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	18	0.13
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	9	0.13
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	12	0.13
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	15	0.13
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	16	0.13
(1,1896)	1:390:A:ASP:HB2	1:390:A:ASP:H	4	0.13
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	2	0.13
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	9	0.13
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	10	0.13
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	11	0.13
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	12	0.13
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	17	0.13
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	2	0.13
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	2	0.13
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	2	0.13
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	17	0.13
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	17	0.13
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	17	0.13
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	20	0.13
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	20	0.13
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	20	0.13
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	5	0.13
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	3	0.13
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	3	0.13
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	3	0.13
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	4	0.13
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	4	0.13
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	6	0.13
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	6	0.13
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	6	0.13
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	17	0.13
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	17	0.13
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	17	0.13
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	18	0.13
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	18	0.13
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	18	0.13
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	1	0.13
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	13	0.13
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	14	0.13
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	20	0.13
(1,1779)	1:436:A:THR:HA	1:436:A:THR:HG21	7	0.13
(1,1779)	1:436:A:THR:HA	1:436:A:THR:HG22	7	0.13
(1,1779)	1:436:A:THR:HA	1:436:A:THR:HG23	7	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	3	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	3	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	3	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	4	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	4	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	4	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	6	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	6	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	6	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	8	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	8	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	8	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	9	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	9	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	9	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	10	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	10	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	10	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	12	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	12	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	12	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	17	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	17	0.13
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:399:A:ASP:HB3	1:399:A:ASP:HA	19	0.13
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	5	0.13
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	8	0.13
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	12	0.13
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	17	0.13
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	20	0.13
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	1	0.13
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	3	0.13
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	9	0.13
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	14	0.13
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	15	0.13
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	20	0.13
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	1	0.13
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	4	0.13
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	7	0.13
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	10	0.13
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	12	0.13
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	18	0.13
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD1	18	0.13
(1,1627)	1:429:A:TYR:HA	1:429:A:TYR:HD2	18	0.13
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	20	0.13
(1,1598)	1:461:A:THR:HG21	1:461:A:THR:HA	19	0.13
(1,1598)	1:461:A:THR:HG22	1:461:A:THR:HA	19	0.13
(1,1598)	1:461:A:THR:HG23	1:461:A:THR:HA	19	0.13
(1,1589)	1:405:A:SER:HB2	1:407:A:VAL:HA	18	0.13
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	2	0.13
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	2	0.13
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	2	0.13
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	6	0.13
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	6	0.13
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	6	0.13
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	6	0.13
(1,1542)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	17	0.13
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	5	0.13
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	17	0.13
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	15	0.13
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	15	0.13
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	15	0.13
(1,1417)	1:387:A:LYS:HG3	1:387:A:LYS:H	16	0.13
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	8	0.13
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	3	0.13
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:359:A:ASP:HA	1:360:A:GLY:H	5	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	7	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	7	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	7	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	7	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	7	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	7	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	7	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	7	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	7	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	12	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	12	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	12	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	12	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	12	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	12	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	12	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	12	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	12	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	17	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	17	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	17	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	17	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	17	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	17	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	17	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	17	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	17	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	20	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	20	0.13
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	20	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	20	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	20	0.13
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	20	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	20	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	20	0.13
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	20	0.13
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	19	0.13
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	1	0.13
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	3	0.13
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	4	0.13
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	7	0.13
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	11	0.13
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	15	0.13
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	19	0.13
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	20	0.13
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	6	0.13
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	6	0.13
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	6	0.13
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG21	2	0.13
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG22	2	0.13
(1,1205)	1:378:A:PRO:HD3	1:377:A:THR:HG23	2	0.13
(1,1115)	1:398:A:ASP:HB2	1:399:A:ASP:HA	14	0.13
(1,1086)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	5	0.13
(1,1079)	1:370:A:SER:HB2	1:370:A:SER:H	16	0.13
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	2	0.13
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	2	0.13
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	2	0.13
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	9	0.13
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	9	0.13
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	9	0.13
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	18	0.13
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	18	0.13
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	18	0.13
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	20	0.13
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	20	0.13
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	20	0.13
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	17	0.13
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	17	0.13
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	17	0.13
(1,976)	1:438:A:GLY:HA2	1:439:A:SER:HB2	16	0.13
(1,892)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	7	0.13
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	2	0.13
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	9	0.13
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	12	0.13
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	14	0.13
(1,861)	1:401:A:THR:HG21	1:401:A:THR:H	4	0.13
(1,861)	1:401:A:THR:HG22	1:401:A:THR:H	4	0.13
(1,861)	1:401:A:THR:HG23	1:401:A:THR:H	4	0.13
(1,861)	1:401:A:THR:HG21	1:401:A:THR:H	11	0.13
(1,861)	1:401:A:THR:HG22	1:401:A:THR:H	11	0.13
(1,861)	1:401:A:THR:HG23	1:401:A:THR:H	11	0.13
(1,861)	1:401:A:THR:HG21	1:401:A:THR:H	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:401:A:THR:HG22	1:401:A:THR:H	17	0.13
(1,861)	1:401:A:THR:HG23	1:401:A:THR:H	17	0.13
(1,792)	1:396:A:THR:HG21	1:397:A:ASN:H	14	0.13
(1,792)	1:396:A:THR:HG22	1:397:A:ASN:H	14	0.13
(1,792)	1:396:A:THR:HG23	1:397:A:ASN:H	14	0.13
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	2	0.13
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	8	0.13
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	9	0.13
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	17	0.13
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	18	0.13
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	20	0.13
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	1	0.13
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	5	0.13
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	7	0.13
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	14	0.13
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	15	0.13
(1,682)	1:424:A:ASP:HA	1:424:A:ASP:H	18	0.13
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	1	0.13
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	8	0.13
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	18	0.13
(1,669)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	7	0.13
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	1	0.13
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	1	0.13
(1,586)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	4	0.13
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	7	0.13
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	7	0.13
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	7	0.13
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	7	0.13
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	12	0.13
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	13	0.13
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	14	0.13
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	18	0.13
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	3	0.13
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	3	0.13
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	3	0.13
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	13	0.13
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	17	0.13
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	19	0.13
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	18	0.13
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	18	0.13
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	18	0.13
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	7	0.13
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	13	0.13
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	14	0.13
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	16	0.13
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	18	0.13
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	16	0.13
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD11	3	0.13
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD12	3	0.13
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD13	3	0.13
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD11	3	0.13
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD12	3	0.13
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD13	3	0.13
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD11	3	0.13
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD12	3	0.13
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD13	3	0.13
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	8	0.13
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	8	0.13
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	8	0.13
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	11	0.13
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	11	0.13
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	11	0.13
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	14	0.13
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	14	0.13
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	14	0.13
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	18	0.13
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	18	0.13
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	18	0.13
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	20	0.13
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	20	0.13
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	20	0.13
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG21	14	0.13
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG22	14	0.13
(1,267)	1:407:A:VAL:HG11	1:407:A:VAL:HG23	14	0.13
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG21	14	0.13
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG22	14	0.13
(1,267)	1:407:A:VAL:HG12	1:407:A:VAL:HG23	14	0.13
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG21	14	0.13
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG22	14	0.13
(1,267)	1:407:A:VAL:HG13	1:407:A:VAL:HG23	14	0.13
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	10	0.13
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	2	0.13
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	7	0.13
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	9	0.13
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	10	0.13
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	16	0.13
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	17	0.13
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	19	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	1	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	3	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	6	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	7	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	8	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	9	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	12	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	13	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	15	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	17	0.13
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	18	0.13
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	7	0.13
(1,124)	1:341:A:GLU:HA	1:341:A:GLU:HG3	4	0.13
(1,77)	1:361:A:LYS:HE3	1:361:A:LYS:HB2	7	0.13
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	12	0.13
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	16	0.13
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	18	0.13
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	19	0.13
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	10	0.13
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	10	0.13
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	10	0.13
(1,5)	1:391:A:ALA:HB1	1:391:A:ALA:H	19	0.13
(1,5)	1:391:A:ALA:HB2	1:391:A:ALA:H	19	0.13
(1,5)	1:391:A:ALA:HB3	1:391:A:ALA:H	19	0.13
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	7	0.12
(1,4141)	1:359:A:ASP:H	1:343:A:THR:HA	11	0.12
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	2	0.12
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	2	0.12
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	2	0.12
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	10	0.12
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	10	0.12
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	10	0.12
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	16	0.12
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	16	0.12
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	16	0.12
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	15	0.12
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	16	0.12
(1,4100)	1:436:A:THR:H	1:435:A:LYS:HG2	4	0.12
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	1	0.12
(1,4098)	1:359:A:ASP:H	1:359:A:ASP:HA	7	0.12
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	6	0.12
(1,4063)	1:449:A:VAL:H	1:446:A:PRO:HB3	20	0.12
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG11	11	0.12
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG12	11	0.12
(1,4016)	1:417:A:GLY:H	1:418:A:VAL:HG13	11	0.12
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	16	0.12
(1,3935)	1:367:A:ASP:H	1:367:A:ASP:HB3	19	0.12
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	2	0.12
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	3	0.12
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	5	0.12
(1,3913)	1:397:A:ASN:H	1:396:A:THR:HA	10	0.12
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	19	0.12
(1,3892)	1:360:A:GLY:H	1:357:A:TYR:HB3	15	0.12
(1,3892)	1:360:A:GLY:H	1:357:A:TYR:HB3	20	0.12
(1,3858)	1:434:A:TRP:HE1	1:352:A:GLN:HG3	17	0.12
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	4	0.12
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	4	0.12
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	4	0.12
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	11	0.12
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	11	0.12
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	11	0.12
(1,3781)	1:430:A:GLY:H	1:369:A:VAL:HA	11	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	3	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	3	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	3	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	12	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	12	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	12	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	14	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	14	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	14	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	17	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	17	0.12
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	17	0.12
(1,3770)	1:442:A:CYS:H	1:442:A:CYS:HB3	7	0.12
(1,3770)	1:442:A:CYS:H	1:442:A:CYS:HB3	12	0.12
(1,3768)	1:419:A:GLY:H	1:418:A:VAL:HA	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	5	0.12
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	11	0.12
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	13	0.12
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	18	0.12
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	9	0.12
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	13	0.12
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	14	0.12
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	15	0.12
(1,3700)	1:433:A:LEU:H	1:433:A:LEU:HD21	1	0.12
(1,3700)	1:433:A:LEU:H	1:433:A:LEU:HD22	1	0.12
(1,3700)	1:433:A:LEU:H	1:433:A:LEU:HD23	1	0.12
(1,3691)	1:348:A:ASP:H	1:353:A:HIS:H	12	0.12
(1,3691)	1:348:A:ASP:H	1:353:A:HIS:H	17	0.12
(1,3691)	1:348:A:ASP:H	1:353:A:HIS:H	20	0.12
(1,3646)	1:432:A:ASP:H	1:433:A:LEU:H	5	0.12
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	10	0.12
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	13	0.12
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	15	0.12
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	2	0.12
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	12	0.12
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	20	0.12
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	2	0.12
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	9	0.12
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	3	0.12
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	6	0.12
(1,3589)	1:361:A:LYS:H	1:357:A:TYR:HA	20	0.12
(1,3565)	1:404:A:GLU:H	1:403:A:TYR:HB2	7	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	1	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	4	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	5	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	6	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	8	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	9	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	10	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	13	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	14	0.12
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	18	0.12
(1,3480)	1:448:A:SER:H	1:448:A:SER:HB2	16	0.12
(1,3480)	1:448:A:SER:H	1:448:A:SER:HB2	17	0.12
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG11	2	0.12
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG12	2	0.12
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG13	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	12	0.12
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	12	0.12
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	13	0.12
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	13	0.12
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	18	0.12
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	18	0.12
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	10	0.12
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	10	0.12
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	10	0.12
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	11	0.12
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	11	0.12
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	11	0.12
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	19	0.12
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	19	0.12
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	19	0.12
(1,3440)	1:466:A:PHE:HD1	1:466:A:PHE:HA	17	0.12
(1,3440)	1:466:A:PHE:HD2	1:466:A:PHE:HA	17	0.12
(1,3390)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	1	0.12
(1,3390)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	14	0.12
(1,3352)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	18	0.12
(1,3352)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	18	0.12
(1,3352)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	18	0.12
(1,3341)	1:434:A:TRP:HH2	1:435:A:LYS:HB2	18	0.12
(1,3293)	1:409:A:TYR:HE1	1:408:A:ASN:HB3	6	0.12
(1,3293)	1:409:A:TYR:HE2	1:408:A:ASN:HB3	6	0.12
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	3	0.12
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	3	0.12
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	7	0.12
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	7	0.12
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	15	0.12
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	15	0.12
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	20	0.12
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	20	0.12
(1,3264)	1:454:A:PHE:HE1	1:387:A:LYS:HA	2	0.12
(1,3264)	1:454:A:PHE:HE2	1:387:A:LYS:HA	2	0.12
(1,3264)	1:454:A:PHE:HE1	1:387:A:LYS:HA	3	0.12
(1,3264)	1:454:A:PHE:HE2	1:387:A:LYS:HA	3	0.12
(1,3264)	1:454:A:PHE:HE1	1:387:A:LYS:HA	5	0.12
(1,3264)	1:454:A:PHE:HE2	1:387:A:LYS:HA	5	0.12
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	1	0.12
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	1	0.12
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	3	0.12
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	7	0.12
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	7	0.12
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	9	0.12
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	9	0.12
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	12	0.12
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	12	0.12
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	8	0.12
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	9	0.12
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	13	0.12
(1,3247)	1:410:A:TRP:HH2	1:410:A:TRP:HZ2	20	0.12
(1,3243)	1:425:A:TRP:HD1	1:425:A:TRP:HA	13	0.12
(1,3243)	1:425:A:TRP:HD1	1:425:A:TRP:HA	19	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	1	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	1	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	1	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	1	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	2	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	2	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	2	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	2	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	3	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	3	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	3	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	3	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	4	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	4	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	4	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	4	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	5	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	5	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	5	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	5	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	6	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	6	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	6	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	6	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	7	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	7	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	7	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	7	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	8	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	8	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	8	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	9	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	9	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	9	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	9	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	10	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	10	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	10	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	10	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	11	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	11	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	11	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	11	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	12	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	12	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	12	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	12	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	13	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	13	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	13	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	13	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	14	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	14	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	14	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	14	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	15	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	15	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	15	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	15	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	17	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	17	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	17	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	17	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	19	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	19	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	19	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	19	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD1	20	0.12
(1,3234)	1:383:A:TYR:HE1	1:383:A:TYR:HD2	20	0.12
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD1	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3234)	1:383:A:TYR:HE2	1:383:A:TYR:HD2	20	0.12
(1,3224)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	16	0.12
(1,3224)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	16	0.12
(1,3207)	1:409:A:TYR:HE1	1:409:A:TYR:HA	7	0.12
(1,3207)	1:409:A:TYR:HE2	1:409:A:TYR:HA	7	0.12
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	7	0.12
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	20	0.12
(1,3129)	1:357:A:TYR:HB3	1:358:A:LYS:H	5	0.12
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	6	0.12
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	6	0.12
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	6	0.12
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	6	0.12
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	10	0.12
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	10	0.12
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	10	0.12
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	17	0.12
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	17	0.12
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	17	0.12
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	15	0.12
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	15	0.12
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	15	0.12
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	5	0.12
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	10	0.12
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	16	0.12
(1,3076)	1:427:A:PRO:HG2	1:427:A:PRO:HD3	18	0.12
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	2	0.12
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	11	0.12
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	1	0.12
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	2	0.12
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	3	0.12
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	14	0.12
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	4	0.12
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	5	0.12
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	10	0.12
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	16	0.12
(1,2927)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	1	0.12
(1,2927)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	1	0.12
(1,2927)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	1	0.12
(1,2927)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	16	0.12
(1,2927)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	16	0.12
(1,2927)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	16	0.12
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	3	0.12
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	8	0.12
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	9	0.12
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	15	0.12
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	16	0.12
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	17	0.12
(1,2847)	1:386:A:ASN:HB2	1:386:A:ASN:HA	16	0.12
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	8	0.12
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	10	0.12
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	11	0.12
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	12	0.12
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	13	0.12
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	8	0.12
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	11	0.12
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	14	0.12
(1,2792)	1:346:A:GLU:HB2	1:346:A:GLU:H	15	0.12
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	3	0.12
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	14	0.12
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	17	0.12
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	8	0.12
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	8	0.12
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	8	0.12
(1,2714)	1:346:A:GLU:HA	1:346:A:GLU:HB3	19	0.12
(1,2691)	1:459:A:LYS:HE2	1:459:A:LYS:HG2	5	0.12
(1,2691)	1:459:A:LYS:HE2	1:459:A:LYS:HG2	20	0.12
(1,2570)	1:341:A:GLU:HB2	1:342:A:ASP:H	18	0.12
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	16	0.12
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	16	0.12
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	16	0.12
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG21	5	0.12
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG22	5	0.12
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG23	5	0.12
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG21	14	0.12
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG22	14	0.12
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG23	14	0.12
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG21	15	0.12
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG22	15	0.12
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG23	15	0.12
(1,2516)	1:343:A:THR:HB	1:343:A:THR:H	11	0.12
(1,2516)	1:343:A:THR:HB	1:343:A:THR:H	18	0.12
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	2	0.12
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	4	0.12
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	5	0.12
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	14	0.12
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	15	0.12
(1,2505)	1:456:A:MET:HG2	1:456:A:MET:HB2	18	0.12
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	1	0.12
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	14	0.12
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	19	0.12
(1,2465)	1:448:A:SER:HA	1:447:A:PRO:HA	2	0.12
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	5	0.12
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	8	0.12
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	13	0.12
(1,2429)	1:437:A:ARG:HB3	1:437:A:ARG:HG2	7	0.12
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	1	0.12
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	5	0.12
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	19	0.12
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	20	0.12
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	20	0.12
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	20	0.12
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	7	0.12
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	20	0.12
(1,2336)	1:458:A:GLU:HB3	1:459:A:LYS:H	1	0.12
(1,2336)	1:458:A:GLU:HB3	1:459:A:LYS:H	8	0.12
(1,2336)	1:458:A:GLU:HB3	1:459:A:LYS:H	14	0.12
(1,2327)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	8	0.12
(1,2327)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	18	0.12
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	6	0.12
(1,2235)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	18	0.12
(1,2228)	1:339:A:HIS:HB3	1:340:A:MET:HG3	14	0.12
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	2	0.12
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	2	0.12
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	2	0.12
(1,2162)	1:406:A:PRO:HD2	1:405:A:SER:HA	18	0.12
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	4	0.12
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	4	0.12
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	4	0.12
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	5	0.12
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	5	0.12
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	5	0.12
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	6	0.12
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	6	0.12
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2111)	1:439:A:SER:HB3	1:439:A:SER:H	11	0.12
(1,2103)	1:377:A:THR:HB	1:378:A:PRO:HD3	8	0.12
(1,2056)	1:398:A:ASP:HB3	1:397:A:ASN:HA	8	0.12
(1,2056)	1:398:A:ASP:HB3	1:397:A:ASN:HA	17	0.12
(1,1961)	1:358:A:LYS:HG3	1:359:A:ASP:H	20	0.12
(1,1958)	1:458:A:GLU:HA	1:458:A:GLU:HB2	15	0.12
(1,1951)	1:352:A:GLN:HA	1:352:A:GLN:HG3	5	0.12
(1,1928)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	15	0.12
(1,1909)	1:443:A:ILE:HD11	1:443:A:ILE:HB	13	0.12
(1,1909)	1:443:A:ILE:HD12	1:443:A:ILE:HB	13	0.12
(1,1909)	1:443:A:ILE:HD13	1:443:A:ILE:HB	13	0.12
(1,1899)	1:459:A:LYS:HB2	1:459:A:LYS:HE2	2	0.12
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	1	0.12
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	3	0.12
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	4	0.12
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	5	0.12
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	13	0.12
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	14	0.12
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	17	0.12
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	18	0.12
(1,1896)	1:390:A:ASP:HB2	1:390:A:ASP:H	8	0.12
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	3	0.12
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	4	0.12
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	5	0.12
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	6	0.12
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	7	0.12
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	8	0.12
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	13	0.12
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	14	0.12
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	15	0.12
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	20	0.12
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	4	0.12
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	4	0.12
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	4	0.12
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	8	0.12
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	8	0.12
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	8	0.12
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	10	0.12
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	10	0.12
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	10	0.12
(1,1866)	1:396:A:THR:HG21	1:400:A:GLY:HA2	18	0.12
(1,1866)	1:396:A:THR:HG22	1:400:A:GLY:HA2	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1866)	1:396:A:THR:HG23	1:400:A:GLY:HA2	18	0.12
(1,1829)	1:394:A:LYS:HB2	1:395:A:GLY:H	4	0.12
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	1	0.12
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	1	0.12
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	1	0.12
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	2	0.12
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	2	0.12
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	2	0.12
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	8	0.12
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	8	0.12
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	8	0.12
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	12	0.12
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	12	0.12
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	12	0.12
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	16	0.12
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	16	0.12
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	16	0.12
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	2	0.12
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	3	0.12
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	6	0.12
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	9	0.12
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	11	0.12
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	16	0.12
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	17	0.12
(1,1725)	1:340:A:MET:HG3	1:340:A:MET:H	7	0.12
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	2	0.12
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	5	0.12
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	12	0.12
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	13	0.12
(1,1664)	1:399:A:ASP:HA	1:399:A:ASP:HB2	3	0.12
(1,1646)	1:368:A:ILE:HD11	1:368:A:ILE:H	4	0.12
(1,1646)	1:368:A:ILE:HD12	1:368:A:ILE:H	4	0.12
(1,1646)	1:368:A:ILE:HD13	1:368:A:ILE:H	4	0.12
(1,1646)	1:368:A:ILE:HD11	1:368:A:ILE:H	16	0.12
(1,1646)	1:368:A:ILE:HD12	1:368:A:ILE:H	16	0.12
(1,1646)	1:368:A:ILE:HD13	1:368:A:ILE:H	16	0.12
(1,1646)	1:368:A:ILE:HD11	1:368:A:ILE:H	20	0.12
(1,1646)	1:368:A:ILE:HD12	1:368:A:ILE:H	20	0.12
(1,1646)	1:368:A:ILE:HD13	1:368:A:ILE:H	20	0.12
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	8	0.12
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	13	0.12
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	3	0.12
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	3	0.12
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	5	0.12
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	5	0.12
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	5	0.12
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	8	0.12
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	8	0.12
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	8	0.12
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	9	0.12
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	9	0.12
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	9	0.12
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	8	0.12
(1,1514)	1:398:A:ASP:HA	1:399:A:ASP:H	1	0.12
(1,1458)	1:381:A:VAL:HG21	1:382:A:PHE:H	13	0.12
(1,1458)	1:381:A:VAL:HG22	1:382:A:PHE:H	13	0.12
(1,1458)	1:381:A:VAL:HG23	1:382:A:PHE:H	13	0.12
(1,1458)	1:381:A:VAL:HG21	1:382:A:PHE:H	15	0.12
(1,1458)	1:381:A:VAL:HG22	1:382:A:PHE:H	15	0.12
(1,1458)	1:381:A:VAL:HG23	1:382:A:PHE:H	15	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	1	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	1	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	1	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	3	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	3	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	3	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	4	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	4	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	4	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	7	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	7	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	7	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	8	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	8	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	8	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	9	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	9	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	9	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	20	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	20	0.12
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	20	0.12
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	2	0.12
(1,1409)	1:361:A:LYS:HD2	1:362:A:VAL:H	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:432:A:ASP:HA	1:433:A:LEU:HB3	6	0.12
(1,1397)	1:432:A:ASP:HA	1:433:A:LEU:HB3	11	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	5	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	5	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	5	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	5	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	5	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	5	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	5	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	5	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	5	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	14	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	14	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	14	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	14	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	14	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	14	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	14	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	14	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	14	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	15	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	15	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	15	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	15	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	15	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	15	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	15	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	15	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	15	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	16	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	16	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	16	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	16	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	16	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	16	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	16	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	16	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	16	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	19	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	19	0.12
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	19	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	19	0.12
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	19	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	19	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	19	0.12
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	19	0.12
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	16	0.12
(1,1248)	1:397:A:ASN:HB2	1:397:A:ASN:HD22	14	0.12
(1,1221)	1:341:A:GLU:HB2	1:341:A:GLU:HA	5	0.12
(1,1206)	1:370:A:SER:HB2	1:369:A:VAL:HA	16	0.12
(1,1206)	1:370:A:SER:HB2	1:369:A:VAL:HA	20	0.12
(1,1194)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	7	0.12
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	3	0.12
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	6	0.12
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	8	0.12
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	16	0.12
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	14	0.12
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	14	0.12
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	14	0.12
(1,1115)	1:398:A:ASP:HB2	1:399:A:ASP:HA	16	0.12
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	3	0.12
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	3	0.12
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	3	0.12
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	13	0.12
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	13	0.12
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	13	0.12
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	16	0.12
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	16	0.12
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	16	0.12
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	17	0.12
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	17	0.12
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	17	0.12
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	8	0.12
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	8	0.12
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	8	0.12
(1,924)	1:459:A:LYS:HD3	1:459:A:LYS:HB2	14	0.12
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	10	0.12
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	11	0.12
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	18	0.12
(1,861)	1:401:A:THR:HG21	1:401:A:THR:H	5	0.12
(1,861)	1:401:A:THR:HG22	1:401:A:THR:H	5	0.12
(1,861)	1:401:A:THR:HG23	1:401:A:THR:H	5	0.12
(1,861)	1:401:A:THR:HG21	1:401:A:THR:H	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:401:A:THR:HG22	1:401:A:THR:H	10	0.12
(1,861)	1:401:A:THR:HG23	1:401:A:THR:H	10	0.12
(1,861)	1:401:A:THR:HG21	1:401:A:THR:H	16	0.12
(1,861)	1:401:A:THR:HG22	1:401:A:THR:H	16	0.12
(1,861)	1:401:A:THR:HG23	1:401:A:THR:H	16	0.12
(1,848)	1:433:A:LEU:HD21	1:433:A:LEU:H	1	0.12
(1,848)	1:433:A:LEU:HD22	1:433:A:LEU:H	1	0.12
(1,848)	1:433:A:LEU:HD23	1:433:A:LEU:H	1	0.12
(1,845)	1:341:A:GLU:HA	1:341:A:GLU:HB2	1	0.12
(1,845)	1:341:A:GLU:HA	1:341:A:GLU:HB2	8	0.12
(1,824)	1:459:A:LYS:HG2	1:459:A:LYS:HD2	8	0.12
(1,824)	1:459:A:LYS:HG2	1:459:A:LYS:HD2	14	0.12
(1,792)	1:396:A:THR:HG21	1:397:A:ASN:H	6	0.12
(1,792)	1:396:A:THR:HG22	1:397:A:ASN:H	6	0.12
(1,792)	1:396:A:THR:HG23	1:397:A:ASN:H	6	0.12
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	3	0.12
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	6	0.12
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	11	0.12
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	15	0.12
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	18	0.12
(1,763)	1:378:A:PRO:HD2	1:377:A:THR:HB	20	0.12
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD11	5	0.12
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD12	5	0.12
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD13	5	0.12
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD11	5	0.12
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD12	5	0.12
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD13	5	0.12
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD11	5	0.12
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD12	5	0.12
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD13	5	0.12
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	1	0.12
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	2	0.12
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	8	0.12
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	12	0.12
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	14	0.12
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	6	0.12
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	6	0.12
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	6	0.12
(1,712)	1:354:A:MET:HE1	1:445:A:THR:HA	7	0.12
(1,712)	1:354:A:MET:HE2	1:445:A:THR:HA	7	0.12
(1,712)	1:354:A:MET:HE3	1:445:A:THR:HA	7	0.12
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	12	0.12
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	15	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	2	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	3	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	4	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	10	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	11	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	12	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	13	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	14	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	15	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	16	0.12
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	17	0.12
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	6	0.12
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	14	0.12
(1,579)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	2	0.12
(1,570)	1:341:A:GLU:HA	1:342:A:ASP:HB2	19	0.12
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	4	0.12
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	4	0.12
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	4	0.12
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	9	0.12
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	9	0.12
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	9	0.12
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	15	0.12
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	15	0.12
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	15	0.12
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	20	0.12
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	20	0.12
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	20	0.12
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	4	0.12
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	5	0.12
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	10	0.12
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	16	0.12
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	17	0.12
(1,474)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	17	0.12
(1,458)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	15	0.12
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	3	0.12
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	2	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	2	0.12
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	2	0.12
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	4	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	4	0.12
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	8	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	8	0.12
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	8	0.12
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	10	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	10	0.12
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	10	0.12
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	12	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	12	0.12
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	12	0.12
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	13	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	13	0.12
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	13	0.12
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	14	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	14	0.12
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	14	0.12
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	15	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	15	0.12
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	15	0.12
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	17	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	17	0.12
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	17	0.12
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	20	0.12
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	20	0.12
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	20	0.12
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	7	0.12
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	11	0.12
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	5	0.12
(1,366)	1:358:A:LYS:HG3	1:358:A:LYS:HA	20	0.12
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	11	0.12
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	12	0.12
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	17	0.12
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD11	6	0.12
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD12	6	0.12
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD13	6	0.12
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD11	6	0.12
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD12	6	0.12
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD13	6	0.12
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD11	6	0.12
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD12	6	0.12
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD13	6	0.12
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD11	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD12	20	0.12
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD13	20	0.12
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD11	20	0.12
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD12	20	0.12
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD13	20	0.12
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD11	20	0.12
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD12	20	0.12
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD13	20	0.12
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	2	0.12
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	2	0.12
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	2	0.12
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	4	0.12
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	4	0.12
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	4	0.12
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	5	0.12
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	5	0.12
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	5	0.12
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	7	0.12
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	7	0.12
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	7	0.12
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	10	0.12
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	10	0.12
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	10	0.12
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	13	0.12
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	13	0.12
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	13	0.12
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	17	0.12
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	17	0.12
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	17	0.12
(1,285)	1:372:A:LYS:HG3	1:372:A:LYS:H	13	0.12
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	4	0.12
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	17	0.12
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	1	0.12
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	4	0.12
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	5	0.12
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	6	0.12
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	8	0.12
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	11	0.12
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	12	0.12
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	13	0.12
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	15	0.12
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:451:A:LYS:HA	1:451:A:LYS:H	20	0.12
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	4	0.12
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	5	0.12
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	14	0.12
(1,151)	1:465:A:VAL:HG11	1:466:A:PHE:H	19	0.12
(1,151)	1:465:A:VAL:HG12	1:466:A:PHE:H	19	0.12
(1,151)	1:465:A:VAL:HG13	1:466:A:PHE:H	19	0.12
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	5	0.12
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	9	0.12
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	12	0.12
(1,105)	1:420:A:ILE:HB	1:420:A:ILE:HG12	18	0.12
(1,77)	1:361:A:LYS:HE3	1:361:A:LYS:HB2	19	0.12
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	2	0.12
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	7	0.12
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	14	0.12
(1,4215)	1:354:A:MET:H	1:347:A:VAL:HG11	19	0.11
(1,4215)	1:354:A:MET:H	1:347:A:VAL:HG12	19	0.11
(1,4215)	1:354:A:MET:H	1:347:A:VAL:HG13	19	0.11
(1,4207)	1:351:A:ASN:HD22	1:350:A:GLU:HG3	4	0.11
(1,4207)	1:351:A:ASN:HD22	1:350:A:GLU:HG3	14	0.11
(1,4207)	1:351:A:ASN:HD22	1:350:A:GLU:HG3	20	0.11
(1,4174)	1:442:A:CYS:H	1:441:A:GLY:HA3	14	0.11
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	5	0.11
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	19	0.11
(1,4170)	1:362:A:VAL:H	1:361:A:LYS:H	20	0.11
(1,4160)	1:426:A:GLN:HE21	1:428:A:GLU:HB2	3	0.11
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE1	17	0.11
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE2	17	0.11
(1,4122)	1:456:A:MET:H	1:456:A:MET:HE3	17	0.11
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	5	0.11
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	8	0.11
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	14	0.11
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	18	0.11
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	19	0.11
(1,4100)	1:436:A:THR:H	1:435:A:LYS:HG2	9	0.11
(1,4100)	1:436:A:THR:H	1:435:A:LYS:HG2	10	0.11
(1,4100)	1:436:A:THR:H	1:435:A:LYS:HG2	18	0.11
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	1	0.11
(1,3937)	1:383:A:TYR:H	1:382:A:PHE:HA	18	0.11
(1,3935)	1:367:A:ASP:H	1:367:A:ASP:HB3	6	0.11
(1,3935)	1:367:A:ASP:H	1:367:A:ASP:HB3	10	0.11
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	2	0.11
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	17	0.11
(1,3781)	1:430:A:GLY:H	1:369:A:VAL:HA	19	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	1	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	1	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	1	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	2	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	2	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	2	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	4	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	4	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	4	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	5	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	5	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	5	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	7	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	7	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	7	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	10	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	10	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	10	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	16	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	16	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	16	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG21	18	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG22	18	0.11
(1,3772)	1:443:A:ILE:H	1:443:A:ILE:HG23	18	0.11
(1,3770)	1:442:A:CYS:H	1:442:A:CYS:HB3	1	0.11
(1,3770)	1:442:A:CYS:H	1:442:A:CYS:HB3	4	0.11
(1,3770)	1:442:A:CYS:H	1:442:A:CYS:HB3	6	0.11
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	3	0.11
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	6	0.11
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	8	0.11
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	14	0.11
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	17	0.11
(1,3757)	1:366:A:THR:H	1:365:A:GLU:HA	19	0.11
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	1	0.11
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	2	0.11
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	3	0.11
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	4	0.11
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	6	0.11
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	8	0.11
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	16	0.11
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	17	0.11
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	18	0.11
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	19	0.11
(1,3691)	1:348:A:ASP:H	1:353:A:HIS:H	11	0.11
(1,3674)	1:341:A:GLU:H	1:341:A:GLU:HB2	5	0.11
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	18	0.11
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	20	0.11
(1,3634)	1:395:A:GLY:H	1:394:A:LYS:HA	4	0.11
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	4	0.11
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	7	0.11
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	1	0.11
(1,3584)	1:381:A:VAL:H	1:381:A:VAL:HB	8	0.11
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	2	0.11
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	9	0.11
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	10	0.11
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	13	0.11
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	16	0.11
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	19	0.11
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	20	0.11
(1,3551)	1:360:A:GLY:H	1:361:A:LYS:H	20	0.11
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	17	0.11
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	17	0.11
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	17	0.11
(1,3514)	1:466:A:PHE:H	1:347:A:VAL:HB	3	0.11
(1,3514)	1:466:A:PHE:H	1:347:A:VAL:HB	18	0.11
(1,3484)	1:426:A:GLN:HE21	1:433:A:LEU:HB2	19	0.11
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	3	0.11
(1,3481)	1:349:A:LEU:H	1:349:A:LEU:HA	15	0.11
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	2	0.11
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	2	0.11
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	4	0.11
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	4	0.11
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	6	0.11
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	6	0.11
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	9	0.11
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	9	0.11
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	10	0.11
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	10	0.11
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	5	0.11
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3453)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	5	0.11
(1,3442)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	2	0.11
(1,3442)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	12	0.11
(1,3440)	1:466:A:PHE:HD1	1:466:A:PHE:HA	20	0.11
(1,3440)	1:466:A:PHE:HD2	1:466:A:PHE:HA	20	0.11
(1,3352)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	19	0.11
(1,3352)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	19	0.11
(1,3352)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	19	0.11
(1,3303)	1:353:A:HIS:HE1	1:365:A:GLU:HG3	1	0.11
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	18	0.11
(1,3295)	1:355:A:TRP:HE3	1:348:A:ASP:HB3	19	0.11
(1,3293)	1:409:A:TYR:HE1	1:408:A:ASN:HB3	3	0.11
(1,3293)	1:409:A:TYR:HE2	1:408:A:ASN:HB3	3	0.11
(1,3293)	1:409:A:TYR:HE1	1:408:A:ASN:HB3	16	0.11
(1,3293)	1:409:A:TYR:HE2	1:408:A:ASN:HB3	16	0.11
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	1	0.11
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	1	0.11
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	5	0.11
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	5	0.11
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	10	0.11
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	10	0.11
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	11	0.11
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	11	0.11
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	12	0.11
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	12	0.11
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	14	0.11
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	14	0.11
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	17	0.11
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	17	0.11
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	18	0.11
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	18	0.11
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	19	0.11
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	19	0.11
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	4	0.11
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	4	0.11
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	5	0.11
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	5	0.11
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	8	0.11
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	8	0.11
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	11	0.11
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	11	0.11
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	15	0.11
(1,3230)	1:454:A:PHE:HE1	1:389:A:GLU:HG3	20	0.11
(1,3230)	1:454:A:PHE:HE2	1:389:A:GLU:HG3	20	0.11
(1,3220)	1:355:A:TRP:HE3	1:346:A:GLU:HB3	16	0.11
(1,3207)	1:409:A:TYR:HE1	1:409:A:TYR:HA	8	0.11
(1,3207)	1:409:A:TYR:HE2	1:409:A:TYR:HA	8	0.11
(1,3207)	1:409:A:TYR:HE1	1:409:A:TYR:HA	9	0.11
(1,3207)	1:409:A:TYR:HE2	1:409:A:TYR:HA	9	0.11
(1,3207)	1:409:A:TYR:HE1	1:409:A:TYR:HA	15	0.11
(1,3207)	1:409:A:TYR:HE2	1:409:A:TYR:HA	15	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	1	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	3	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	4	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	5	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	6	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	8	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	10	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	11	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	12	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	13	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	15	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	16	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	17	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	18	0.11
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	19	0.11
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	14	0.11
(1,3112)	1:381:A:VAL:HG21	1:381:A:VAL:H	18	0.11
(1,3112)	1:381:A:VAL:HG22	1:381:A:VAL:H	18	0.11
(1,3112)	1:381:A:VAL:HG23	1:381:A:VAL:H	18	0.11
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	1	0.11
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	1	0.11
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	1	0.11
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	3	0.11
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	3	0.11
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	3	0.11
(1,3092)	1:443:A:ILE:HG21	1:369:A:VAL:H	11	0.11
(1,3092)	1:443:A:ILE:HG22	1:369:A:VAL:H	11	0.11
(1,3092)	1:443:A:ILE:HG23	1:369:A:VAL:H	11	0.11
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	8	0.11
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	12	0.11
(1,3083)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	20	0.11
(1,3078)	1:405:A:SER:HB2	1:405:A:SER:HA	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	4	0.11
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	10	0.11
(1,3027)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	15	0.11
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	17	0.11
(1,2963)	1:396:A:THR:HB	1:396:A:THR:H	6	0.11
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	9	0.11
(1,2930)	1:435:A:LYS:HD2	1:435:A:LYS:HE3	17	0.11
(1,2927)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	11	0.11
(1,2927)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	11	0.11
(1,2927)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	11	0.11
(1,2927)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	19	0.11
(1,2927)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	19	0.11
(1,2927)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	19	0.11
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	4	0.11
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	5	0.11
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	6	0.11
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	7	0.11
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	18	0.11
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	19	0.11
(1,2878)	1:450:A:MET:HE1	1:452:A:GLU:H	6	0.11
(1,2878)	1:450:A:MET:HE2	1:452:A:GLU:H	6	0.11
(1,2878)	1:450:A:MET:HE3	1:452:A:GLU:H	6	0.11
(1,2878)	1:450:A:MET:HE1	1:452:A:GLU:H	17	0.11
(1,2878)	1:450:A:MET:HE2	1:452:A:GLU:H	17	0.11
(1,2878)	1:450:A:MET:HE3	1:452:A:GLU:H	17	0.11
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	3	0.11
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	6	0.11
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	9	0.11
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	16	0.11
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	17	0.11
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	1	0.11
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	12	0.11
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	13	0.11
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	14	0.11
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	19	0.11
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	20	0.11
(1,2802)	1:367:A:ASP:HB2	1:367:A:ASP:H	2	0.11
(1,2802)	1:367:A:ASP:HB2	1:367:A:ASP:H	3	0.11
(1,2802)	1:367:A:ASP:HB2	1:367:A:ASP:H	11	0.11
(1,2738)	1:407:A:VAL:HG11	1:407:A:VAL:H	14	0.11
(1,2738)	1:407:A:VAL:HG12	1:407:A:VAL:H	14	0.11
(1,2738)	1:407:A:VAL:HG13	1:407:A:VAL:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2738)	1:407:A:VAL:HG11	1:407:A:VAL:H	18	0.11
(1,2738)	1:407:A:VAL:HG12	1:407:A:VAL:H	18	0.11
(1,2738)	1:407:A:VAL:HG13	1:407:A:VAL:H	18	0.11
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	6	0.11
(1,2737)	1:361:A:LYS:HD3	1:362:A:VAL:H	16	0.11
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	9	0.11
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	9	0.11
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	9	0.11
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	10	0.11
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	10	0.11
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	10	0.11
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	13	0.11
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	13	0.11
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	13	0.11
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	15	0.11
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	15	0.11
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	15	0.11
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	17	0.11
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	17	0.11
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	17	0.11
(1,2724)	1:459:A:LYS:HA	1:459:A:LYS:HG2	1	0.11
(1,2714)	1:346:A:GLU:HA	1:346:A:GLU:HB3	11	0.11
(1,2714)	1:346:A:GLU:HA	1:346:A:GLU:HB3	12	0.11
(1,2714)	1:346:A:GLU:HA	1:346:A:GLU:HB3	16	0.11
(1,2714)	1:346:A:GLU:HA	1:346:A:GLU:HB3	17	0.11
(1,2714)	1:346:A:GLU:HA	1:346:A:GLU:HB3	20	0.11
(1,2691)	1:459:A:LYS:HE2	1:459:A:LYS:HG2	11	0.11
(1,2651)	1:340:A:MET:HE1	1:340:A:MET:HB2	15	0.11
(1,2651)	1:340:A:MET:HE2	1:340:A:MET:HB2	15	0.11
(1,2651)	1:340:A:MET:HE3	1:340:A:MET:HB2	15	0.11
(1,2607)	1:450:A:MET:HE1	1:388:A:GLU:H	20	0.11
(1,2607)	1:450:A:MET:HE2	1:388:A:GLU:H	20	0.11
(1,2607)	1:450:A:MET:HE3	1:388:A:GLU:H	20	0.11
(1,2605)	1:448:A:SER:HA	1:448:A:SER:H	14	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	3	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	3	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	3	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	6	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	6	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	6	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	7	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	7	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	8	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	8	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	8	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	10	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	10	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	10	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	11	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	11	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	11	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	12	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	12	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	12	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	14	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	14	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	14	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	15	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	15	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	15	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	17	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	17	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	17	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	18	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	18	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	18	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	19	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	19	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	19	0.11
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	20	0.11
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	20	0.11
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	20	0.11
(1,2523)	1:446:A:PRO:HB2	1:445:A:THR:HA	8	0.11
(1,2523)	1:446:A:PRO:HB2	1:445:A:THR:HA	13	0.11
(1,2523)	1:446:A:PRO:HB2	1:445:A:THR:HA	19	0.11
(1,2516)	1:343:A:THR:HB	1:343:A:THR:H	1	0.11
(1,2516)	1:343:A:THR:HB	1:343:A:THR:H	7	0.11
(1,2516)	1:343:A:THR:HB	1:343:A:THR:H	15	0.11
(1,2514)	1:457:A:VAL:HG11	1:457:A:VAL:HB	15	0.11
(1,2514)	1:457:A:VAL:HG12	1:457:A:VAL:HB	15	0.11
(1,2514)	1:457:A:VAL:HG13	1:457:A:VAL:HB	15	0.11
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	3	0.11
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	13	0.11
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	15	0.11
(1,2498)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	17	0.11
(1,2466)	1:354:A:MET:HB2	1:355:A:TRP:H	1	0.11
(1,2415)	1:463:A:VAL:HG11	1:463:A:VAL:H	18	0.11
(1,2415)	1:463:A:VAL:HG12	1:463:A:VAL:H	18	0.11
(1,2415)	1:463:A:VAL:HG13	1:463:A:VAL:H	18	0.11
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	3	0.11
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	10	0.11
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	11	0.11
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	12	0.11
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	18	0.11
(1,2391)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	17	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	1	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	1	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	1	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	3	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	3	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	3	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	6	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	6	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	6	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	7	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	7	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	7	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	9	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	9	0.11
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	9	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	1	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	3	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	4	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	5	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	6	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	8	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	10	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	11	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	12	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	13	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	15	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	16	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	17	0.11
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	19	0.11
(1,2336)	1:458:A:GLU:HB3	1:459:A:LYS:H	18	0.11
(1,2327)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	7	0.11
(1,2327)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	12	0.11
(1,2327)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	13	0.11
(1,2228)	1:339:A:HIS:HB3	1:340:A:MET:HG3	2	0.11
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	3	0.11
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	3	0.11
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	3	0.11
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	4	0.11
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	4	0.11
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	4	0.11
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	7	0.11
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	7	0.11
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	7	0.11
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	8	0.11
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	8	0.11
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	8	0.11
(1,2188)	1:449:A:VAL:HG11	1:366:A:THR:HB	19	0.11
(1,2188)	1:449:A:VAL:HG12	1:366:A:THR:HB	19	0.11
(1,2188)	1:449:A:VAL:HG13	1:366:A:THR:HB	19	0.11
(1,1958)	1:458:A:GLU:HA	1:458:A:GLU:HB2	2	0.11
(1,1958)	1:458:A:GLU:HA	1:458:A:GLU:HB2	5	0.11
(1,1928)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	3	0.11
(1,1909)	1:443:A:ILE:HD11	1:443:A:ILE:HB	2	0.11
(1,1909)	1:443:A:ILE:HD12	1:443:A:ILE:HB	2	0.11
(1,1909)	1:443:A:ILE:HD13	1:443:A:ILE:HB	2	0.11
(1,1909)	1:443:A:ILE:HD11	1:443:A:ILE:HB	7	0.11
(1,1909)	1:443:A:ILE:HD12	1:443:A:ILE:HB	7	0.11
(1,1909)	1:443:A:ILE:HD13	1:443:A:ILE:HB	7	0.11
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	7	0.11
(1,1898)	1:393:A:LEU:HA	1:393:A:LEU:HG	20	0.11
(1,1888)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	16	0.11
(1,1875)	1:378:A:PRO:HA	1:379:A:ALA:HB1	11	0.11
(1,1875)	1:378:A:PRO:HA	1:379:A:ALA:HB2	11	0.11
(1,1875)	1:378:A:PRO:HA	1:379:A:ALA:HB3	11	0.11
(1,1822)	1:427:A:PRO:HA	1:428:A:GLU:H	18	0.11
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	10	0.11
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	10	0.11
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	10	0.11
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	13	0.11
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	13	0.11
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	14	0.11
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	14	0.11
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	14	0.11
(1,1805)	1:343:A:THR:HG21	1:343:A:THR:HA	15	0.11
(1,1805)	1:343:A:THR:HG22	1:343:A:THR:HA	15	0.11
(1,1805)	1:343:A:THR:HG23	1:343:A:THR:HA	15	0.11
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	8	0.11
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	10	0.11
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	12	0.11
(1,1788)	1:340:A:MET:HB3	1:340:A:MET:HG3	19	0.11
(1,1779)	1:436:A:THR:HA	1:436:A:THR:HG21	13	0.11
(1,1779)	1:436:A:THR:HA	1:436:A:THR:HG22	13	0.11
(1,1779)	1:436:A:THR:HA	1:436:A:THR:HG23	13	0.11
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG21	19	0.11
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG22	19	0.11
(1,1760)	1:465:A:VAL:HA	1:465:A:VAL:HG23	19	0.11
(1,1751)	1:399:A:ASP:HB3	1:399:A:ASP:HA	1	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	1	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	2	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	3	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	4	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	6	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	7	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	9	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	10	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	11	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	15	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	16	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	18	0.11
(1,1730)	1:372:A:LYS:HD3	1:372:A:LYS:HE3	19	0.11
(1,1701)	1:418:A:VAL:HB	1:419:A:GLY:H	11	0.11
(1,1700)	1:406:A:PRO:HB2	1:406:A:PRO:HD2	1	0.11
(1,1700)	1:406:A:PRO:HB2	1:406:A:PRO:HD2	4	0.11
(1,1700)	1:406:A:PRO:HB2	1:406:A:PRO:HD2	8	0.11
(1,1694)	1:433:A:LEU:HG	1:433:A:LEU:HA	1	0.11
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	6	0.11
(1,1646)	1:368:A:ILE:HD11	1:368:A:ILE:H	5	0.11
(1,1646)	1:368:A:ILE:HD12	1:368:A:ILE:H	5	0.11
(1,1646)	1:368:A:ILE:HD13	1:368:A:ILE:H	5	0.11
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	15	0.11
(1,1637)	1:459:A:LYS:HG2	1:459:A:LYS:HA	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:448:A:SER:HB3	1:447:A:PRO:HA	15	0.11
(1,1579)	1:374:A:THR:HB	1:374:A:THR:H	4	0.11
(1,1579)	1:374:A:THR:HB	1:374:A:THR:H	5	0.11
(1,1579)	1:374:A:THR:HB	1:374:A:THR:H	7	0.11
(1,1579)	1:374:A:THR:HB	1:374:A:THR:H	8	0.11
(1,1579)	1:374:A:THR:HB	1:374:A:THR:H	12	0.11
(1,1579)	1:374:A:THR:HB	1:374:A:THR:H	20	0.11
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	4	0.11
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	4	0.11
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	4	0.11
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	13	0.11
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	13	0.11
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	13	0.11
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	15	0.11
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	15	0.11
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	15	0.11
(1,1571)	1:354:A:MET:HE1	1:347:A:VAL:HA	18	0.11
(1,1571)	1:354:A:MET:HE2	1:347:A:VAL:HA	18	0.11
(1,1571)	1:354:A:MET:HE3	1:347:A:VAL:HA	18	0.11
(1,1554)	1:406:A:PRO:HD2	1:406:A:PRO:HB2	1	0.11
(1,1554)	1:406:A:PRO:HD2	1:406:A:PRO:HB2	4	0.11
(1,1554)	1:406:A:PRO:HD2	1:406:A:PRO:HB2	8	0.11
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	1	0.11
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	17	0.11
(1,1515)	1:341:A:GLU:HG3	1:341:A:GLU:HA	18	0.11
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	2	0.11
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	2	0.11
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	2	0.11
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	5	0.11
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	5	0.11
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	5	0.11
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	11	0.11
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	11	0.11
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	11	0.11
(1,1429)	1:341:A:GLU:HG2	1:341:A:GLU:H	1	0.11
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	1	0.11
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	5	0.11
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	7	0.11
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	15	0.11
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	16	0.11
(1,1414)	1:372:A:LYS:HE3	1:372:A:LYS:HG3	14	0.11
(1,1397)	1:432:A:ASP:HA	1:433:A:LEU:HB3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	10	0.11
(1,1384)	1:377:A:THR:HA	1:378:A:PRO:HD2	12	0.11
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	6	0.11
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	6	0.11
(1,1375)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	6	0.11
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	6	0.11
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	6	0.11
(1,1375)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	6	0.11
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	6	0.11
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	6	0.11
(1,1375)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	6	0.11
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	10	0.11
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	11	0.11
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	12	0.11
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	17	0.11
(1,1230)	1:418:A:VAL:HG21	1:418:A:VAL:HA	8	0.11
(1,1230)	1:418:A:VAL:HG22	1:418:A:VAL:HA	8	0.11
(1,1230)	1:418:A:VAL:HG23	1:418:A:VAL:HA	8	0.11
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	9	0.11
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	9	0.11
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	9	0.11
(1,1209)	1:411:A:MET:HE1	1:454:A:PHE:HA	15	0.11
(1,1209)	1:411:A:MET:HE2	1:454:A:PHE:HA	15	0.11
(1,1209)	1:411:A:MET:HE3	1:454:A:PHE:HA	15	0.11
(1,1164)	1:361:A:LYS:HE3	1:361:A:LYS:HG3	1	0.11
(1,1115)	1:398:A:ASP:HB2	1:399:A:ASP:HA	19	0.11
(1,1104)	1:449:A:VAL:HA	1:450:A:MET:H	14	0.11
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	7	0.11
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	7	0.11
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	7	0.11
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	14	0.11
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	14	0.11
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	14	0.11
(1,1062)	1:396:A:THR:HG21	1:400:A:GLY:HA3	15	0.11
(1,1062)	1:396:A:THR:HG22	1:400:A:GLY:HA3	15	0.11
(1,1062)	1:396:A:THR:HG23	1:400:A:GLY:HA3	15	0.11
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	20	0.11
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	20	0.11
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	20	0.11
(1,993)	1:443:A:ILE:HG21	1:445:A:THR:H	14	0.11
(1,993)	1:443:A:ILE:HG22	1:445:A:THR:H	14	0.11
(1,993)	1:443:A:ILE:HG23	1:445:A:THR:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:445:A:THR:HB	1:446:A:PRO:HA	14	0.11
(1,901)	1:378:A:PRO:HD2	1:378:A:PRO:HA	4	0.11
(1,901)	1:378:A:PRO:HD2	1:378:A:PRO:HA	10	0.11
(1,901)	1:378:A:PRO:HD2	1:378:A:PRO:HA	11	0.11
(1,901)	1:378:A:PRO:HD2	1:378:A:PRO:HA	19	0.11
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	3	0.11
(1,888)	1:367:A:ASP:HB2	1:366:A:THR:HA	13	0.11
(1,860)	1:362:A:VAL:HG11	1:357:A:TYR:HD1	19	0.11
(1,860)	1:362:A:VAL:HG11	1:357:A:TYR:HD2	19	0.11
(1,860)	1:362:A:VAL:HG12	1:357:A:TYR:HD1	19	0.11
(1,860)	1:362:A:VAL:HG12	1:357:A:TYR:HD2	19	0.11
(1,860)	1:362:A:VAL:HG13	1:357:A:TYR:HD1	19	0.11
(1,860)	1:362:A:VAL:HG13	1:357:A:TYR:HD2	19	0.11
(1,845)	1:341:A:GLU:HA	1:341:A:GLU:HB2	9	0.11
(1,845)	1:341:A:GLU:HA	1:341:A:GLU:HB2	14	0.11
(1,824)	1:459:A:LYS:HG2	1:459:A:LYS:HD2	18	0.11
(1,798)	1:345:A:ILE:HG21	1:354:A:MET:HA	5	0.11
(1,798)	1:345:A:ILE:HG22	1:354:A:MET:HA	5	0.11
(1,798)	1:345:A:ILE:HG23	1:354:A:MET:HA	5	0.11
(1,798)	1:345:A:ILE:HG21	1:354:A:MET:HA	6	0.11
(1,798)	1:345:A:ILE:HG22	1:354:A:MET:HA	6	0.11
(1,798)	1:345:A:ILE:HG23	1:354:A:MET:HA	6	0.11
(1,792)	1:396:A:THR:HG21	1:397:A:ASN:H	2	0.11
(1,792)	1:396:A:THR:HG22	1:397:A:ASN:H	2	0.11
(1,792)	1:396:A:THR:HG23	1:397:A:ASN:H	2	0.11
(1,792)	1:396:A:THR:HG21	1:397:A:ASN:H	9	0.11
(1,792)	1:396:A:THR:HG22	1:397:A:ASN:H	9	0.11
(1,792)	1:396:A:THR:HG23	1:397:A:ASN:H	9	0.11
(1,792)	1:396:A:THR:HG21	1:397:A:ASN:H	15	0.11
(1,792)	1:396:A:THR:HG22	1:397:A:ASN:H	15	0.11
(1,792)	1:396:A:THR:HG23	1:397:A:ASN:H	15	0.11
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	1	0.11
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	12	0.11
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	14	0.11
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	16	0.11
(1,764)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	20	0.11
(1,763)	1:378:A:PRO:HD2	1:377:A:THR:HB	13	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD11	9	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD12	9	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD13	9	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD11	9	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD12	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD13	9	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD11	9	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD12	9	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD13	9	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD11	14	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD12	14	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD13	14	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD11	14	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD12	14	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD13	14	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD11	14	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD12	14	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD13	14	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD11	15	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD12	15	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD13	15	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD11	15	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD12	15	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD13	15	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD11	15	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD12	15	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD13	15	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD11	18	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD12	18	0.11
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD13	18	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD11	18	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD12	18	0.11
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD13	18	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD11	18	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD12	18	0.11
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD13	18	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	2	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	3	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	4	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	5	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	6	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	7	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	8	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	9	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	12	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	13	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	15	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	18	0.11
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	20	0.11
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	5	0.11
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	6	0.11
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	9	0.11
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	14	0.11
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	15	0.11
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	17	0.11
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	18	0.11
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	19	0.11
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	4	0.11
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	5	0.11
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	6	0.11
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	10	0.11
(1,719)	1:432:A:ASP:HB3	1:433:A:LEU:HA	11	0.11
(1,718)	1:402:A:PRO:HB2	1:403:A:TYR:H	5	0.11
(1,718)	1:402:A:PRO:HB2	1:403:A:TYR:H	9	0.11
(1,718)	1:402:A:PRO:HB2	1:403:A:TYR:H	19	0.11
(1,709)	1:464:A:LEU:HA	1:464:A:LEU:HD11	16	0.11
(1,709)	1:464:A:LEU:HA	1:464:A:LEU:HD12	16	0.11
(1,709)	1:464:A:LEU:HA	1:464:A:LEU:HD13	16	0.11
(1,709)	1:464:A:LEU:HA	1:464:A:LEU:HD11	20	0.11
(1,709)	1:464:A:LEU:HA	1:464:A:LEU:HD12	20	0.11
(1,709)	1:464:A:LEU:HA	1:464:A:LEU:HD13	20	0.11
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	2	0.11
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	3	0.11
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	6	0.11
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	10	0.11
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	1	0.11
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	6	0.11
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	7	0.11
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	8	0.11
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	9	0.11
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	18	0.11
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	19	0.11
(1,604)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	8	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	1	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	1	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	1	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	2	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	2	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	3	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	3	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	3	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	4	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	4	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	4	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	5	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	5	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	5	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	7	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	7	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	7	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	8	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	8	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	8	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	9	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	9	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	9	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	10	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	10	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	10	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	11	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	11	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	11	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	12	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	12	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	12	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	13	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	13	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	13	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	14	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	14	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	14	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	15	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	15	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	15	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	16	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	16	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	16	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	17	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	17	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	19	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	19	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	19	0.11
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	20	0.11
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	20	0.11
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	20	0.11
(1,522)	1:407:A:VAL:HG21	1:392:A:THR:HA	11	0.11
(1,522)	1:407:A:VAL:HG22	1:392:A:THR:HA	11	0.11
(1,522)	1:407:A:VAL:HG23	1:392:A:THR:HA	11	0.11
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	9	0.11
(1,487)	1:435:A:LYS:HE3	1:435:A:LYS:HD2	17	0.11
(1,458)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	12	0.11
(1,458)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	13	0.11
(1,458)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	19	0.11
(1,440)	1:379:A:ALA:HB1	1:378:A:PRO:HA	20	0.11
(1,440)	1:379:A:ALA:HB2	1:378:A:PRO:HA	20	0.11
(1,440)	1:379:A:ALA:HB3	1:378:A:PRO:HA	20	0.11
(1,434)	1:462:A:PRO:HB2	1:462:A:PRO:HG3	18	0.11
(1,414)	1:433:A:LEU:HD11	1:433:A:LEU:HG	3	0.11
(1,414)	1:433:A:LEU:HD12	1:433:A:LEU:HG	3	0.11
(1,414)	1:433:A:LEU:HD13	1:433:A:LEU:HG	3	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	1	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	2	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	3	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	5	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	10	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	15	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	16	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	17	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	18	0.11
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	20	0.11
(1,395)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	6	0.11
(1,344)	1:463:A:VAL:HG11	1:463:A:VAL:HA	4	0.11
(1,344)	1:463:A:VAL:HG12	1:463:A:VAL:HA	4	0.11
(1,344)	1:463:A:VAL:HG13	1:463:A:VAL:HA	4	0.11
(1,344)	1:463:A:VAL:HG11	1:463:A:VAL:HA	7	0.11
(1,344)	1:463:A:VAL:HG12	1:463:A:VAL:HA	7	0.11
(1,344)	1:463:A:VAL:HG13	1:463:A:VAL:HA	7	0.11
(1,344)	1:463:A:VAL:HG11	1:463:A:VAL:HA	19	0.11
(1,344)	1:463:A:VAL:HG12	1:463:A:VAL:HA	19	0.11
(1,344)	1:463:A:VAL:HG13	1:463:A:VAL:HA	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	20	0.11
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD11	17	0.11
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD12	17	0.11
(1,341)	1:369:A:VAL:HG21	1:368:A:ILE:HD13	17	0.11
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD11	17	0.11
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD12	17	0.11
(1,341)	1:369:A:VAL:HG22	1:368:A:ILE:HD13	17	0.11
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD11	17	0.11
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD12	17	0.11
(1,341)	1:369:A:VAL:HG23	1:368:A:ILE:HD13	17	0.11
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	3	0.11
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	3	0.11
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	3	0.11
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	9	0.11
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	9	0.11
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	9	0.11
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	12	0.11
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	12	0.11
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	12	0.11
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	16	0.11
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	16	0.11
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	16	0.11
(1,338)	1:413:A:ILE:HD11	1:383:A:TYR:H	18	0.11
(1,338)	1:413:A:ILE:HD12	1:383:A:TYR:H	18	0.11
(1,338)	1:413:A:ILE:HD13	1:383:A:TYR:H	18	0.11
(1,298)	1:446:A:PRO:HB3	1:446:A:PRO:HD2	16	0.11
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	3	0.11
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	6	0.11
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	9	0.11
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	14	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	1	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	1	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	1	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	2	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	2	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	2	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	4	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	4	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	4	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	5	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	5	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	6	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	6	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	6	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	7	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	7	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	7	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	8	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	8	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	8	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	9	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	9	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	9	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	10	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	10	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	10	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	11	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	11	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	11	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	12	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	12	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	12	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	13	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	13	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	13	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	14	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	14	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	14	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	15	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	15	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	15	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	16	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	16	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	16	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	17	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	17	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	17	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	18	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	18	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	18	0.11
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	19	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	19	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	20	0.11
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	20	0.11
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	20	0.11
(1,153)	1:405:A:SER:HB2	1:405:A:SER:H	11	0.11
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	1	0.11
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	2	0.11
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	3	0.11
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	8	0.11
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	13	0.11
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	15	0.11
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	16	0.11
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	18	0.11
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	20	0.11
(1,88)	1:433:A:LEU:HA	1:433:A:LEU:HG	1	0.11
(1,77)	1:361:A:LYS:HE3	1:361:A:LYS:HB2	20	0.11
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	6	0.11
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	8	0.11
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	9	0.11
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	11	0.11
(1,73)	1:458:A:GLU:HB2	1:459:A:LYS:H	17	0.11
(1,27)	1:367:A:ASP:HA	1:446:A:PRO:HG3	14	0.11
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	3	0.11
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	13	0.11
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	17	0.11
(1,4188)	1:390:A:ASP:H	1:391:A:ALA:H	3	0.1
(1,4115)	1:417:A:GLY:H	1:417:A:GLY:HA2	20	0.1
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	2	0.1
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	3	0.1
(1,4113)	1:455:A:GLY:H	1:453:A:LEU:H	6	0.1
(1,4081)	1:426:A:GLN:HE21	1:437:A:ARG:HB3	11	0.1
(1,3938)	1:374:A:THR:H	1:375:A:THR:H	7	0.1
(1,3935)	1:367:A:ASP:H	1:367:A:ASP:HB3	5	0.1
(1,3935)	1:367:A:ASP:H	1:367:A:ASP:HB3	9	0.1
(1,3935)	1:367:A:ASP:H	1:367:A:ASP:HB3	14	0.1
(1,3935)	1:367:A:ASP:H	1:367:A:ASP:HB3	15	0.1
(1,3930)	1:356:A:TYR:H	1:355:A:TRP:HB3	8	0.1
(1,3896)	1:426:A:GLN:H	1:425:A:TRP:HE3	4	0.1
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD11	3	0.1
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD12	3	0.1
(1,3881)	1:353:A:HIS:H	1:368:A:ILE:HD13	3	0.1
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG11	11	0.1
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG12	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3864)	1:408:A:ASN:H	1:407:A:VAL:HG13	11	0.1
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG21	20	0.1
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG22	20	0.1
(1,3825)	1:397:A:ASN:H	1:396:A:THR:HG23	20	0.1
(1,3781)	1:430:A:GLY:H	1:369:A:VAL:HA	2	0.1
(1,3775)	1:441:A:GLY:H	1:440:A:HIS:HA	18	0.1
(1,3770)	1:442:A:CYS:H	1:442:A:CYS:HB3	8	0.1
(1,3770)	1:442:A:CYS:H	1:442:A:CYS:HB3	20	0.1
(1,3732)	1:386:A:ASN:H	1:384:A:VAL:HG11	19	0.1
(1,3732)	1:386:A:ASN:H	1:384:A:VAL:HG12	19	0.1
(1,3732)	1:386:A:ASN:H	1:384:A:VAL:HG13	19	0.1
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	13	0.1
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	13	0.1
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	13	0.1
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD11	18	0.1
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD12	18	0.1
(1,3721)	1:429:A:TYR:H	1:433:A:LEU:HD13	18	0.1
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	5	0.1
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	10	0.1
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	12	0.1
(1,3701)	1:458:A:GLU:H	1:457:A:VAL:H	20	0.1
(1,3691)	1:348:A:ASP:H	1:353:A:HIS:H	16	0.1
(1,3644)	1:399:A:ASP:H	1:397:A:ASN:HB3	7	0.1
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	11	0.1
(1,3625)	1:423:A:SER:H	1:422:A:ASP:HB3	12	0.1
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	2	0.1
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	4	0.1
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	5	0.1
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	6	0.1
(1,3614)	1:353:A:HIS:H	1:348:A:ASP:H	7	0.1
(1,3606)	1:424:A:ASP:H	1:426:A:GLN:HB2	14	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	1	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	3	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	4	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	5	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	6	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	7	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	8	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	11	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	12	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	14	0.1
(1,3561)	1:360:A:GLY:H	1:360:A:GLY:HA2	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	10	0.1
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	10	0.1
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	10	0.1
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG21	11	0.1
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG22	11	0.1
(1,3540)	1:444:A:ASN:H	1:443:A:ILE:HG23	11	0.1
(1,3514)	1:466:A:PHE:H	1:347:A:VAL:HB	14	0.1
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG11	13	0.1
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG12	13	0.1
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG13	13	0.1
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG11	20	0.1
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG12	20	0.1
(1,3471)	1:449:A:VAL:H	1:449:A:VAL:HG13	20	0.1
(1,3464)	1:344:A:TYR:HD1	1:344:A:TYR:HB3	15	0.1
(1,3464)	1:344:A:TYR:HD2	1:344:A:TYR:HB3	15	0.1
(1,3442)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	17	0.1
(1,3440)	1:466:A:PHE:HD1	1:466:A:PHE:HA	8	0.1
(1,3440)	1:466:A:PHE:HD2	1:466:A:PHE:HA	8	0.1
(1,3440)	1:466:A:PHE:HD1	1:466:A:PHE:HA	11	0.1
(1,3440)	1:466:A:PHE:HD2	1:466:A:PHE:HA	11	0.1
(1,3440)	1:466:A:PHE:HD1	1:466:A:PHE:HA	12	0.1
(1,3440)	1:466:A:PHE:HD2	1:466:A:PHE:HA	12	0.1
(1,3425)	1:466:A:PHE:HZ	1:346:A:GLU:HG2	16	0.1
(1,3367)	1:434:A:TRP:HZ2	1:435:A:LYS:HG2	17	0.1
(1,3341)	1:434:A:TRP:HH2	1:435:A:LYS:HB2	7	0.1
(1,3303)	1:353:A:HIS:HE1	1:365:A:GLU:HG3	16	0.1
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	4	0.1
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	4	0.1
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	6	0.1
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	6	0.1
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	8	0.1
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	8	0.1
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	9	0.1
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	9	0.1
(1,3266)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	16	0.1
(1,3266)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	16	0.1
(1,3264)	1:454:A:PHE:HE1	1:387:A:LYS:HA	13	0.1
(1,3264)	1:454:A:PHE:HE2	1:387:A:LYS:HA	13	0.1
(1,3254)	1:409:A:TYR:HD1	1:409:A:TYR:HB3	13	0.1
(1,3254)	1:409:A:TYR:HD2	1:409:A:TYR:HB3	13	0.1
(1,3207)	1:409:A:TYR:HE1	1:409:A:TYR:HA	5	0.1
(1,3207)	1:409:A:TYR:HE2	1:409:A:TYR:HA	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3207)	1:409:A:TYR:HE1	1:409:A:TYR:HA	12	0.1
(1,3207)	1:409:A:TYR:HE2	1:409:A:TYR:HA	12	0.1
(1,3170)	1:447:A:PRO:HG3	1:447:A:PRO:HB2	2	0.1
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	4	0.1
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	5	0.1
(1,3115)	1:466:A:PHE:HB2	1:466:A:PHE:HA	10	0.1
(1,3042)	1:360:A:GLY:HA3	1:361:A:LYS:H	18	0.1
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	5	0.1
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	12	0.1
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	16	0.1
(1,3026)	1:392:A:THR:HB	1:391:A:ALA:HA	20	0.1
(1,2963)	1:396:A:THR:HB	1:396:A:THR:H	19	0.1
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	1	0.1
(1,2906)	1:406:A:PRO:HG2	1:405:A:SER:HA	12	0.1
(1,2878)	1:450:A:MET:HE1	1:452:A:GLU:H	11	0.1
(1,2878)	1:450:A:MET:HE2	1:452:A:GLU:H	11	0.1
(1,2878)	1:450:A:MET:HE3	1:452:A:GLU:H	11	0.1
(1,2878)	1:450:A:MET:HE1	1:452:A:GLU:H	18	0.1
(1,2878)	1:450:A:MET:HE2	1:452:A:GLU:H	18	0.1
(1,2878)	1:450:A:MET:HE3	1:452:A:GLU:H	18	0.1
(1,2863)	1:347:A:VAL:HG21	1:347:A:VAL:H	6	0.1
(1,2863)	1:347:A:VAL:HG22	1:347:A:VAL:H	6	0.1
(1,2863)	1:347:A:VAL:HG23	1:347:A:VAL:H	6	0.1
(1,2847)	1:386:A:ASN:HB2	1:386:A:ASN:HA	18	0.1
(1,2831)	1:368:A:ILE:HD11	1:353:A:HIS:H	3	0.1
(1,2831)	1:368:A:ILE:HD12	1:353:A:HIS:H	3	0.1
(1,2831)	1:368:A:ILE:HD13	1:353:A:HIS:H	3	0.1
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	2	0.1
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	13	0.1
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	14	0.1
(1,2822)	1:340:A:MET:HG2	1:340:A:MET:HB3	20	0.1
(1,2820)	1:368:A:ILE:HB	1:369:A:VAL:HA	19	0.1
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	2	0.1
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	3	0.1
(1,2813)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	10	0.1
(1,2802)	1:367:A:ASP:HB2	1:367:A:ASP:H	5	0.1
(1,2802)	1:367:A:ASP:HB2	1:367:A:ASP:H	13	0.1
(1,2802)	1:367:A:ASP:HB2	1:367:A:ASP:H	18	0.1
(1,2738)	1:407:A:VAL:HG11	1:407:A:VAL:H	12	0.1
(1,2738)	1:407:A:VAL:HG12	1:407:A:VAL:H	12	0.1
(1,2738)	1:407:A:VAL:HG13	1:407:A:VAL:H	12	0.1
(1,2738)	1:407:A:VAL:HG11	1:407:A:VAL:H	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2738)	1:407:A:VAL:HG12	1:407:A:VAL:H	16	0.1
(1,2738)	1:407:A:VAL:HG13	1:407:A:VAL:H	16	0.1
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	2	0.1
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	2	0.1
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	2	0.1
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	3	0.1
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	3	0.1
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	3	0.1
(1,2734)	1:343:A:THR:HG21	1:344:A:TYR:HA	16	0.1
(1,2734)	1:343:A:THR:HG22	1:344:A:TYR:HA	16	0.1
(1,2734)	1:343:A:THR:HG23	1:344:A:TYR:HA	16	0.1
(1,2652)	1:343:A:THR:HG21	1:358:A:LYS:HA	7	0.1
(1,2652)	1:343:A:THR:HG22	1:358:A:LYS:HA	7	0.1
(1,2652)	1:343:A:THR:HG23	1:358:A:LYS:HA	7	0.1
(1,2598)	1:451:A:LYS:HD2	1:451:A:LYS:HB2	16	0.1
(1,2598)	1:451:A:LYS:HD2	1:451:A:LYS:HB2	18	0.1
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	1	0.1
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	1	0.1
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	1	0.1
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	2	0.1
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	2	0.1
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	2	0.1
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	4	0.1
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	4	0.1
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	4	0.1
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	9	0.1
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	9	0.1
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	9	0.1
(1,2538)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	13	0.1
(1,2538)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	13	0.1
(1,2538)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	13	0.1
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG21	6	0.1
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG22	6	0.1
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG23	6	0.1
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG21	8	0.1
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG22	8	0.1
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG23	8	0.1
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG21	9	0.1
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG22	9	0.1
(1,2533)	1:443:A:ILE:HG13	1:443:A:ILE:HG23	9	0.1
(1,2523)	1:446:A:PRO:HB2	1:445:A:THR:HA	20	0.1
(1,2514)	1:457:A:VAL:HG11	1:457:A:VAL:HB	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:457:A:VAL:HG12	1:457:A:VAL:HB	5	0.1
(1,2514)	1:457:A:VAL:HG13	1:457:A:VAL:HB	5	0.1
(1,2514)	1:457:A:VAL:HG11	1:457:A:VAL:HB	13	0.1
(1,2514)	1:457:A:VAL:HG12	1:457:A:VAL:HB	13	0.1
(1,2514)	1:457:A:VAL:HG13	1:457:A:VAL:HB	13	0.1
(1,2514)	1:457:A:VAL:HG11	1:457:A:VAL:HB	14	0.1
(1,2514)	1:457:A:VAL:HG12	1:457:A:VAL:HB	14	0.1
(1,2514)	1:457:A:VAL:HG13	1:457:A:VAL:HB	14	0.1
(1,2514)	1:457:A:VAL:HG11	1:457:A:VAL:HB	16	0.1
(1,2514)	1:457:A:VAL:HG12	1:457:A:VAL:HB	16	0.1
(1,2514)	1:457:A:VAL:HG13	1:457:A:VAL:HB	16	0.1
(1,2514)	1:457:A:VAL:HG11	1:457:A:VAL:HB	20	0.1
(1,2514)	1:457:A:VAL:HG12	1:457:A:VAL:HB	20	0.1
(1,2514)	1:457:A:VAL:HG13	1:457:A:VAL:HB	20	0.1
(1,2455)	1:441:A:GLY:HA2	1:440:A:HIS:HB3	20	0.1
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	4	0.1
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	6	0.1
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	14	0.1
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	16	0.1
(1,2406)	1:435:A:LYS:HB3	1:435:A:LYS:H	20	0.1
(1,2391)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	3	0.1
(1,2391)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	5	0.1
(1,2391)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	9	0.1
(1,2391)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	16	0.1
(1,2391)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	20	0.1
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	8	0.1
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	8	0.1
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	8	0.1
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE1	17	0.1
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE2	17	0.1
(1,2368)	1:340:A:MET:HB3	1:340:A:MET:HE3	17	0.1
(1,2358)	1:447:A:PRO:HB2	1:447:A:PRO:HG3	2	0.1
(1,2336)	1:458:A:GLU:HB3	1:459:A:LYS:H	3	0.1
(1,2336)	1:458:A:GLU:HB3	1:459:A:LYS:H	4	0.1
(1,2329)	1:451:A:LYS:HB3	1:452:A:GLU:HA	5	0.1
(1,2327)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	2	0.1
(1,2327)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	9	0.1
(1,2327)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	15	0.1
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	9	0.1
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	9	0.1
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	9	0.1
(1,2198)	1:450:A:MET:HE1	1:410:A:TRP:HA	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2198)	1:450:A:MET:HE2	1:410:A:TRP:HA	15	0.1
(1,2198)	1:450:A:MET:HE3	1:410:A:TRP:HA	15	0.1
(1,2188)	1:449:A:VAL:HG11	1:366:A:THR:HB	10	0.1
(1,2188)	1:449:A:VAL:HG12	1:366:A:THR:HB	10	0.1
(1,2188)	1:449:A:VAL:HG13	1:366:A:THR:HB	10	0.1
(1,2162)	1:406:A:PRO:HD2	1:405:A:SER:HA	5	0.1
(1,2162)	1:406:A:PRO:HD2	1:405:A:SER:HA	12	0.1
(1,2134)	1:354:A:MET:HE1	1:446:A:PRO:HD3	16	0.1
(1,2134)	1:354:A:MET:HE2	1:446:A:PRO:HD3	16	0.1
(1,2134)	1:354:A:MET:HE3	1:446:A:PRO:HD3	16	0.1
(1,2056)	1:398:A:ASP:HB3	1:397:A:ASN:HA	7	0.1
(1,1958)	1:458:A:GLU:HA	1:458:A:GLU:HB2	12	0.1
(1,1958)	1:458:A:GLU:HA	1:458:A:GLU:HB2	16	0.1
(1,1801)	1:428:A:GLU:HA	1:428:A:GLU:HG2	9	0.1
(1,1700)	1:406:A:PRO:HB2	1:406:A:PRO:HD2	18	0.1
(1,1679)	1:377:A:THR:HG21	1:377:A:THR:HB	5	0.1
(1,1679)	1:377:A:THR:HG22	1:377:A:THR:HB	5	0.1
(1,1679)	1:377:A:THR:HG23	1:377:A:THR:HB	5	0.1
(1,1679)	1:377:A:THR:HG21	1:377:A:THR:HB	7	0.1
(1,1679)	1:377:A:THR:HG22	1:377:A:THR:HB	7	0.1
(1,1679)	1:377:A:THR:HG23	1:377:A:THR:HB	7	0.1
(1,1679)	1:377:A:THR:HG21	1:377:A:THR:HB	13	0.1
(1,1679)	1:377:A:THR:HG22	1:377:A:THR:HB	13	0.1
(1,1679)	1:377:A:THR:HG23	1:377:A:THR:HB	13	0.1
(1,1679)	1:377:A:THR:HG21	1:377:A:THR:HB	14	0.1
(1,1679)	1:377:A:THR:HG22	1:377:A:THR:HB	14	0.1
(1,1679)	1:377:A:THR:HG23	1:377:A:THR:HB	14	0.1
(1,1679)	1:377:A:THR:HG21	1:377:A:THR:HB	20	0.1
(1,1679)	1:377:A:THR:HG22	1:377:A:THR:HB	20	0.1
(1,1679)	1:377:A:THR:HG23	1:377:A:THR:HB	20	0.1
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	7	0.1
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	16	0.1
(1,1669)	1:341:A:GLU:HA	1:340:A:MET:HB3	17	0.1
(1,1643)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	9	0.1
(1,1598)	1:461:A:THR:HG21	1:461:A:THR:HA	8	0.1
(1,1598)	1:461:A:THR:HG22	1:461:A:THR:HA	8	0.1
(1,1598)	1:461:A:THR:HG23	1:461:A:THR:HA	8	0.1
(1,1579)	1:374:A:THR:HB	1:374:A:THR:H	17	0.1
(1,1554)	1:406:A:PRO:HD2	1:406:A:PRO:HB2	18	0.1
(1,1526)	1:376:A:PRO:HB2	1:377:A:THR:HA	2	0.1
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	1	0.1
(1,1455)	1:428:A:GLU:HG3	1:429:A:TYR:HA	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	16	0.1
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	16	0.1
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	16	0.1
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE1	18	0.1
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE2	18	0.1
(1,1430)	1:354:A:MET:HG2	1:354:A:MET:HE3	18	0.1
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	3	0.1
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	4	0.1
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	9	0.1
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	11	0.1
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	13	0.1
(1,1428)	1:365:A:GLU:HB3	1:365:A:GLU:HA	18	0.1
(1,1425)	1:341:A:GLU:HG2	1:342:A:ASP:H	4	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	1	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	2	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	3	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	4	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	5	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	7	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	8	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	10	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	11	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	12	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	13	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	14	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	16	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	18	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	19	0.1
(1,1400)	1:378:A:PRO:HG3	1:378:A:PRO:HD2	20	0.1
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	6	0.1
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	7	0.1
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	9	0.1
(1,1360)	1:450:A:MET:HB2	1:451:A:LYS:H	15	0.1
(1,1310)	1:462:A:PRO:HB2	1:462:A:PRO:HD2	1	0.1
(1,1206)	1:370:A:SER:HB2	1:369:A:VAL:HA	13	0.1
(1,1192)	1:391:A:ALA:HB1	1:391:A:ALA:HA	5	0.1
(1,1192)	1:391:A:ALA:HB2	1:391:A:ALA:HA	5	0.1
(1,1192)	1:391:A:ALA:HB3	1:391:A:ALA:HA	5	0.1
(1,1192)	1:391:A:ALA:HB1	1:391:A:ALA:HA	14	0.1
(1,1192)	1:391:A:ALA:HB2	1:391:A:ALA:HA	14	0.1
(1,1192)	1:391:A:ALA:HB3	1:391:A:ALA:HA	14	0.1
(1,1176)	1:458:A:GLU:HG3	1:459:A:LYS:H	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1158)	1:413:A:ILE:HD11	1:463:A:VAL:HA	5	0.1
(1,1158)	1:413:A:ILE:HD12	1:463:A:VAL:HA	5	0.1
(1,1158)	1:413:A:ILE:HD13	1:463:A:VAL:HA	5	0.1
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	9	0.1
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	9	0.1
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	9	0.1
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	12	0.1
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	12	0.1
(1,1056)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	12	0.1
(1,1045)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	16	0.1
(1,1045)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	18	0.1
(1,901)	1:378:A:PRO:HD2	1:378:A:PRO:HA	1	0.1
(1,901)	1:378:A:PRO:HD2	1:378:A:PRO:HA	8	0.1
(1,901)	1:378:A:PRO:HD2	1:378:A:PRO:HA	9	0.1
(1,901)	1:378:A:PRO:HD2	1:378:A:PRO:HA	18	0.1
(1,861)	1:401:A:THR:HG21	1:401:A:THR:H	9	0.1
(1,861)	1:401:A:THR:HG22	1:401:A:THR:H	9	0.1
(1,861)	1:401:A:THR:HG23	1:401:A:THR:H	9	0.1
(1,845)	1:341:A:GLU:HA	1:341:A:GLU:HB2	3	0.1
(1,845)	1:341:A:GLU:HA	1:341:A:GLU:HB2	11	0.1
(1,824)	1:459:A:LYS:HG2	1:459:A:LYS:HD2	1	0.1
(1,824)	1:459:A:LYS:HG2	1:459:A:LYS:HD2	17	0.1
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD11	1	0.1
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD12	1	0.1
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD13	1	0.1
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD11	1	0.1
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD12	1	0.1
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD13	1	0.1
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD11	1	0.1
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD12	1	0.1
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD13	1	0.1
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD11	3	0.1
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD12	3	0.1
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD13	3	0.1
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD11	3	0.1
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD12	3	0.1
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD13	3	0.1
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD11	3	0.1
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD12	3	0.1
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD13	3	0.1
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD11	16	0.1
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD12	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:349:A:LEU:HD21	1:349:A:LEU:HD13	16	0.1
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD11	16	0.1
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD12	16	0.1
(1,756)	1:349:A:LEU:HD22	1:349:A:LEU:HD13	16	0.1
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD11	16	0.1
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD12	16	0.1
(1,756)	1:349:A:LEU:HD23	1:349:A:LEU:HD13	16	0.1
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	10	0.1
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	11	0.1
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	16	0.1
(1,736)	1:450:A:MET:HA	1:450:A:MET:HB2	17	0.1
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	2	0.1
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	3	0.1
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	4	0.1
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	7	0.1
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	8	0.1
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	10	0.1
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	12	0.1
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	13	0.1
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	16	0.1
(1,731)	1:364:A:LEU:HB2	1:364:A:LEU:HA	20	0.1
(1,718)	1:402:A:PRO:HB2	1:403:A:TYR:H	2	0.1
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	14	0.1
(1,677)	1:358:A:LYS:HD2	1:358:A:LYS:HA	17	0.1
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	5	0.1
(1,626)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	20	0.1
(1,619)	1:340:A:MET:HG2	1:340:A:MET:HE1	4	0.1
(1,619)	1:340:A:MET:HG2	1:340:A:MET:HE2	4	0.1
(1,619)	1:340:A:MET:HG2	1:340:A:MET:HE3	4	0.1
(1,602)	1:464:A:LEU:HD11	1:464:A:LEU:HG	6	0.1
(1,602)	1:464:A:LEU:HD12	1:464:A:LEU:HG	6	0.1
(1,602)	1:464:A:LEU:HD13	1:464:A:LEU:HG	6	0.1
(1,458)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	2	0.1
(1,458)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	4	0.1
(1,458)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	5	0.1
(1,458)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	6	0.1
(1,458)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	9	0.1
(1,439)	1:459:A:LYS:HE2	1:459:A:LYS:HB3	6	0.1
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	6	0.1
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	8	0.1
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	12	0.1
(1,400)	1:388:A:GLU:HB3	1:388:A:GLU:HA	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:358:A:LYS:HE3	1:358:A:LYS:HB3	20	0.1
(1,344)	1:463:A:VAL:HG11	1:463:A:VAL:HA	12	0.1
(1,344)	1:463:A:VAL:HG12	1:463:A:VAL:HA	12	0.1
(1,344)	1:463:A:VAL:HG13	1:463:A:VAL:HA	12	0.1
(1,344)	1:463:A:VAL:HG11	1:463:A:VAL:HA	17	0.1
(1,344)	1:463:A:VAL:HG12	1:463:A:VAL:HA	17	0.1
(1,344)	1:463:A:VAL:HG13	1:463:A:VAL:HA	17	0.1
(1,344)	1:463:A:VAL:HG11	1:463:A:VAL:HA	18	0.1
(1,344)	1:463:A:VAL:HG12	1:463:A:VAL:HA	18	0.1
(1,344)	1:463:A:VAL:HG13	1:463:A:VAL:HA	18	0.1
(1,340)	1:420:A:ILE:HG21	1:420:A:ILE:HA	1	0.1
(1,340)	1:420:A:ILE:HG22	1:420:A:ILE:HA	1	0.1
(1,340)	1:420:A:ILE:HG23	1:420:A:ILE:HA	1	0.1
(1,338)	1:413:A:ILE:HD11	1:383:A:TYR:H	1	0.1
(1,338)	1:413:A:ILE:HD12	1:383:A:TYR:H	1	0.1
(1,338)	1:413:A:ILE:HD13	1:383:A:TYR:H	1	0.1
(1,298)	1:446:A:PRO:HB3	1:446:A:PRO:HD2	1	0.1
(1,298)	1:446:A:PRO:HB3	1:446:A:PRO:HD2	4	0.1
(1,298)	1:446:A:PRO:HB3	1:446:A:PRO:HD2	14	0.1
(1,271)	1:378:A:PRO:HG3	1:377:A:THR:HA	2	0.1
(1,270)	1:459:A:LYS:HB2	1:459:A:LYS:HA	2	0.1
(1,270)	1:459:A:LYS:HB2	1:459:A:LYS:HA	5	0.1
(1,270)	1:459:A:LYS:HB2	1:459:A:LYS:HA	12	0.1
(1,247)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	10	0.1
(1,247)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	10	0.1
(1,247)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	10	0.1
(1,228)	1:418:A:VAL:HB	1:417:A:GLY:HA2	16	0.1
(1,227)	1:456:A:MET:HG3	1:457:A:VAL:H	2	0.1
(1,227)	1:456:A:MET:HG3	1:457:A:VAL:H	3	0.1
(1,227)	1:456:A:MET:HG3	1:457:A:VAL:H	4	0.1
(1,227)	1:456:A:MET:HG3	1:457:A:VAL:H	15	0.1
(1,227)	1:456:A:MET:HG3	1:457:A:VAL:H	19	0.1
(1,227)	1:456:A:MET:HG3	1:457:A:VAL:H	20	0.1
(1,164)	1:364:A:LEU:HD21	1:364:A:LEU:HG	3	0.1
(1,164)	1:364:A:LEU:HD22	1:364:A:LEU:HG	3	0.1
(1,164)	1:364:A:LEU:HD23	1:364:A:LEU:HG	3	0.1
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	4	0.1
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	14	0.1
(1,127)	1:374:A:THR:HA	1:374:A:THR:HB	17	0.1
(1,20)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	15	0.1
(1,12)	1:428:A:GLU:HA	1:427:A:PRO:HB3	18	0.1

10 Dihedral-angle violation analysis [i](#)

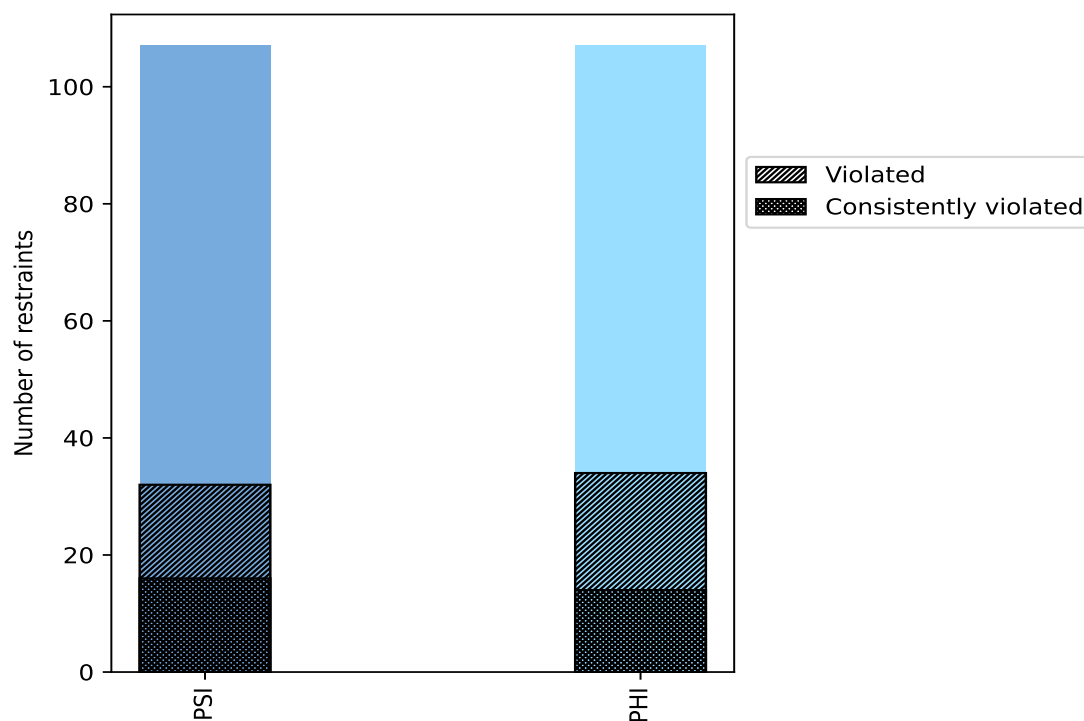
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PSI	107	50.0	32	29.9	15.0	16	15.0	7.5
PHI	107	50.0	34	31.8	15.9	14	13.1	6.5
Total	214	100.0	66	30.8	30.8	30	14.0	14.0

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations [i](#)



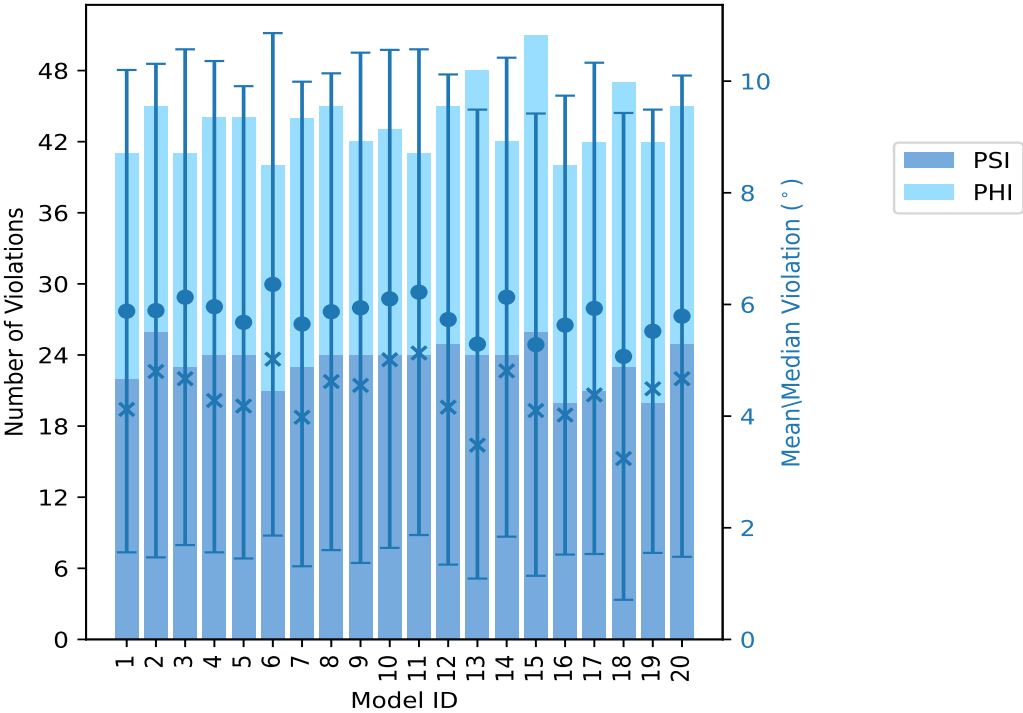
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	22	19	41	5.88	21.37	4.32	4.12
2	26	19	45	5.89	21.32	4.42	4.8
3	23	18	41	6.13	21.35	4.44	4.67
4	24	20	44	5.96	21.61	4.4	4.28
5	24	20	44	5.68	19.48	4.23	4.18
6	21	19	40	6.36	21.93	4.5	5.02
7	23	21	44	5.65	21.03	4.34	3.98
8	24	21	45	5.87	21.13	4.27	4.62
9	24	18	42	5.94	22.18	4.57	4.55
10	24	19	43	6.1	21.84	4.46	5.01
11	24	17	41	6.22	20.64	4.35	5.13
12	25	20	45	5.73	20.44	4.39	4.16
13	24	24	48	5.29	21.05	4.2	3.48
14	24	18	42	6.13	19.4	4.29	4.81
15	26	25	51	5.28	20.31	4.14	4.1
16	20	20	40	5.63	20.9	4.11	4.02
17	21	21	42	5.93	21.06	4.4	4.38
18	23	24	47	5.07	21.16	4.36	3.24
19	20	22	42	5.52	19.95	3.97	4.49
20	25	20	45	5.79	20.76	4.31	4.67

10.2.1 Bar graph : Dihedral violation statistics for each model ⓘ



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

10.3 Dihedral-angle violation statistics for the ensemble ⓘ

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

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
1	4	5	1	5.0
4	0	4	2	10.0
0	1	1	3	15.0
1	4	5	4	20.0
1	1	2	5	25.0
1	1	2	6	30.0
0	3	3	7	35.0
0	1	1	8	40.0
1	1	2	9	45.0
0	2	2	10	50.0
0	0	0	11	55.0

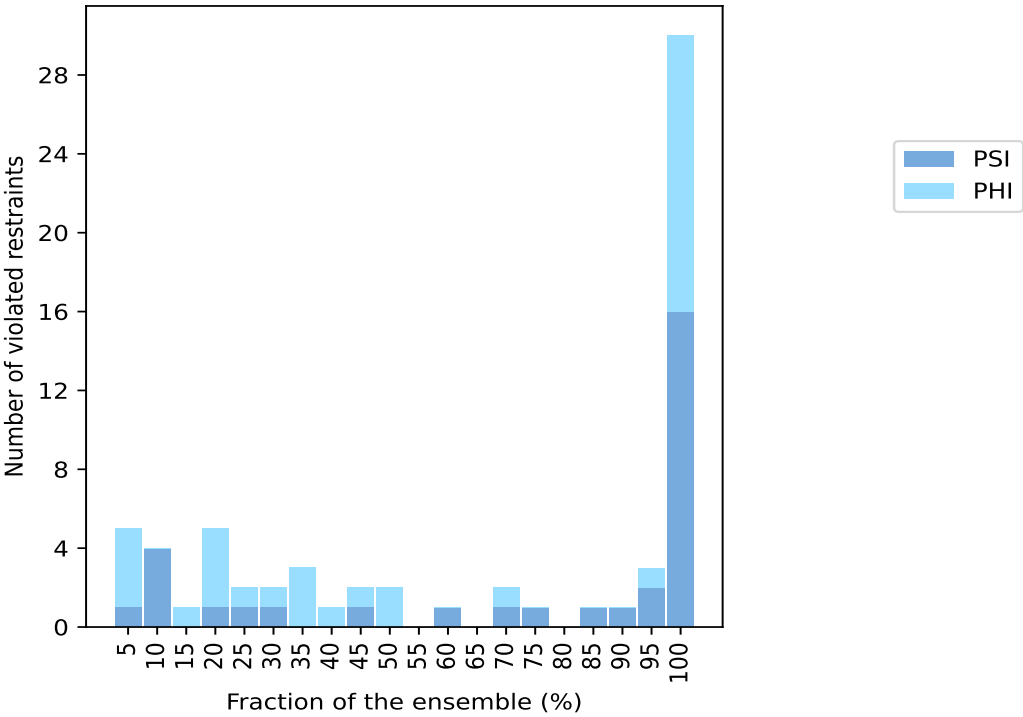
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
1	0	1	12	60.0
0	0	0	13	65.0
1	1	2	14	70.0
1	0	1	15	75.0
0	0	0	16	80.0
1	0	1	17	85.0
1	0	1	18	90.0
2	1	3	19	95.0
16	14	30	20	100.0

¹ Number of models with violations

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

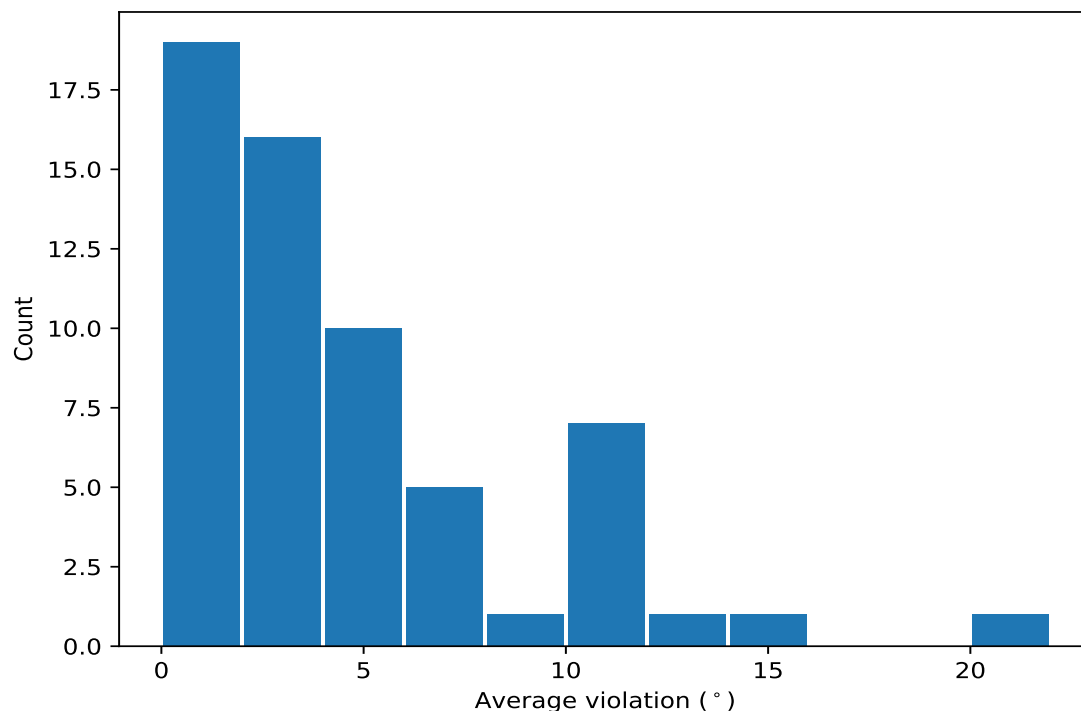


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle violations ⓘ

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints ⓘ

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	20	20.95	0.73	21.06
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	20	14.35	0.77	14.36
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	20	12.56	0.46	12.5
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	20	11.29	0.38	11.2
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	20	10.95	3.41	12.32
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	20	10.62	0.47	10.66
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	20	10.5	0.94	10.61
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	20	10.39	0.42	10.28
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	20	10.25	1.99	10.78
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	20	8.63	0.64	8.64
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	20	7.9	0.73	7.88
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	20	7.19	0.69	7.3
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	20	6.72	0.88	6.58
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	20	6.0	0.9	5.88
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	20	5.33	0.23	5.36
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	20	4.99	0.72	4.91
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	20	4.96	0.98	4.8
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	20	4.64	0.46	4.73
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	20	4.33	0.57	4.54
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	20	4.15	0.49	4.12

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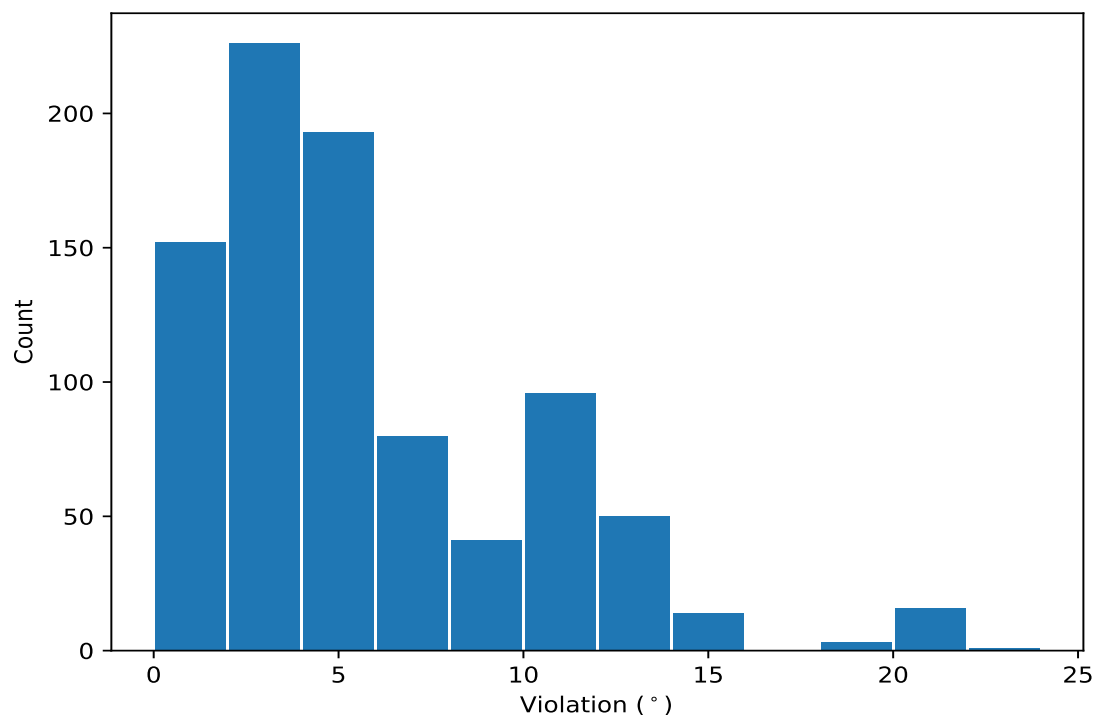
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	20	4.11	0.51	4.16
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	20	4.07	0.16	4.1
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	20	3.63	0.97	4.03
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	20	3.32	1.04	3.27
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	20	2.95	0.75	2.99
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	20	2.76	0.77	2.58
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	20	2.76	0.69	2.66
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	20	2.41	0.52	2.3
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	20	2.17	0.33	2.11
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	20	1.92	0.35	1.86
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	19	5.23	1.34	5.01
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	19	3.72	1.23	3.69
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	19	1.87	0.33	1.86
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	18	6.97	1.56	7.26
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	17	11.72	2.71	12.5
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	15	2.05	0.46	2.14
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	14	3.04	0.52	3.14
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	14	2.76	0.26	2.73
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	12	1.92	0.42	2.01
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	10	2.1	0.59	2.28
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	10	1.49	0.31	1.48
(1,130)	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	1:415:A:TRP:N	9	3.99	1.42	4.2
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	9	1.32	0.17	1.34
(1,9)	1:345:A:ILE:C	1:346:A:GLU:N	1:346:A:GLU:CA	1:346:A:GLU:C	8	1.21	0.25	1.12
(1,207)	1:461:A:THR:C	1:462:A:PRO:N	1:462:A:PRO:CA	1:462:A:PRO:C	7	2.11	0.99	1.75
(1,79)	1:385:A:TRP:C	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	7	1.5	0.36	1.45
(1,147)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	7	1.36	0.21	1.32
(1,76)	1:384:A:VAL:N	1:384:A:VAL:CA	1:384:A:VAL:C	1:385:A:TRP:N	6	1.44	0.33	1.49
(1,69)	1:380:A:GLY:C	1:381:A:VAL:N	1:381:A:VAL:CA	1:381:A:VAL:C	6	1.26	0.26	1.2
(1,92)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	5	1.69	0.32	1.63
(1,21)	1:352:A:GLN:C	1:353:A:HIS:N	1:353:A:HIS:CA	1:353:A:HIS:C	5	1.42	0.26	1.45
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	4	5.26	1.59	5.16
(1,74)	1:383:A:TYR:N	1:383:A:TYR:CA	1:383:A:TYR:C	1:384:A:VAL:N	4	2.28	0.86	2.21
(1,87)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	4	1.98	0.94	1.64
(1,149)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	4	1.78	0.82	1.38
(1,131)	1:415:A:TRP:C	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	4	1.54	0.32	1.48
(1,81)	1:386:A:ASN:C	1:387:A:LYS:N	1:387:A:LYS:CA	1:387:A:LYS:C	3	3.37	0.73	3.57
(1,132)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	2	1.92	0.38	1.92
(1,162)	1:436:A:THR:N	1:436:A:THR:CA	1:436:A:THR:C	1:437:A:ARG:N	2	1.83	0.17	1.83
(1,28)	1:356:A:TYR:N	1:356:A:TYR:CA	1:356:A:TYR:C	1:357:A:TYR:N	2	1.17	0.1	1.17
(1,64)	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	1:376:A:PRO:N	2	1.12	0.01	1.12

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

10.5 All violated dihedral-angle restraints [i](#)

10.5.1 Histogram : Distribution of violations [i](#)

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



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	9	22.18
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	6	21.93
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	10	21.84
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	4	21.61
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1	21.37
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	3	21.35
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	2	21.32
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	18	21.16
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	8	21.13
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	17	21.06
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	13	21.05
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	7	21.03
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	16	20.9
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	20	20.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	11	20.64
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	12	20.44
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	15	20.31
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	19	19.95
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	5	19.48
(1,55)	1:370:A:SER:C	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	14	19.4
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	5	15.67
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	10	15.62
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	18	15.33
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	9	15.29
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	7	14.87
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	4	14.73
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	15	14.69
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	13	14.52
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	11	14.51
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	14	14.42
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	8	14.3
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	20	14.3
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	12	14.25
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	2	14.19
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	14	13.86
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	12	13.85
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	3	13.63
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	6	13.61
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	17	13.61
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	19	13.45
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	19	13.43
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	16	13.38
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	3	13.36
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	2	13.35
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	11	13.24
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	10	13.23
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	5	13.22
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	11	13.22
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	20	13.19
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	3	13.12
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	16	13.1
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	15	13.08
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	4	13.04
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	1	13.02
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	17	13.01
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	10	12.96
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	20	12.75
(1,153)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1	12.72
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	1	12.64
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	9	12.64
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	6	12.61
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	8	12.59
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	14	12.55
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	18	12.53
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	9	12.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	6	12.5
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	11	12.5
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	14	12.49
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	2	12.48
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	9	12.44
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	18	12.43
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	12	12.31
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	6	12.29
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	2	12.27
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	12	12.23
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	4	12.22
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	7	12.19
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	17	12.18
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	5	12.18
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	15	12.18
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	13	12.17
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	8	12.11
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	6	12.04
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	7	12.04
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	10	11.98
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	17	11.91
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	20	11.89
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	4	11.79
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	13	11.75
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	17	11.74
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	20	11.74
(1,54)	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1:371:A:GLY:N	8	11.71
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	4	11.68
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	11	11.66
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	2	11.66
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	16	11.6
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	13	11.59
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	8	11.57
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	18	11.56
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	13	11.56
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	20	11.5
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	15	11.48
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	3	11.38
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	3	11.38
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	12	11.37
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	8	11.35
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	1	11.33
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	5	11.31
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	4	11.31
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	2	11.26
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	4	11.25
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	9	11.23
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	18	11.17
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	14	11.16
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	5	11.14
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	15	11.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	17	11.11
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	2	11.08
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	10	11.08
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	14	11.07
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	12	11.07
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	18	11.05
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	2	11.03
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	6	11.03
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	4	11.03
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	6	11.02
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	7	11.01
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	9	10.97
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	6	10.95
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	14	10.95
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	14	10.92
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	13	10.89
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	20	10.88
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	4	10.81
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	17	10.79
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	14	10.79
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	9	10.78
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	12	10.78
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	7	10.77
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	1	10.77
(1,7)	1:344:A:TYR:C	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	19	10.75
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	11	10.72
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	8	10.68
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	1	10.67
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	7	10.67
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	10	10.66
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	7	10.66
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	10	10.65
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	8	10.64
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	18	10.63
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	15	10.61
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	19	10.59
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	3	10.58
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	16	10.58
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	3	10.55
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	19	10.55
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	13	10.51
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	7	10.48
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	12	10.45
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	19	10.45
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	8	10.43
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	20	10.38
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	1	10.36
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	9	10.36
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	3	10.33
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	7	10.33
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	10	10.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	17	10.28
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	3	10.28
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	5	10.2
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	5	10.19
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	16	10.18
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	9	10.14
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	15	10.1
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	1	10.09
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	5	10.07
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	2	10.06
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	16	10.03
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	13	10.03
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	11	10.03
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	16	9.97
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	11	9.97
(1,5)	1:343:A:THR:C	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	6	9.85
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	10	9.77
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	17	9.75
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	3	9.6
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	19	9.51
(1,46)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	12	9.47
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	5	9.37
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	1	9.29
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	11	9.27
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	15	9.22
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	15	9.21
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	6	9.11
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	20	9.06
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	11	9.0
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	9	8.97
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	13	8.95
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	15	8.95
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	14	8.94
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	12	8.83
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	1	8.79
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	17	8.73
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	7	8.71
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	8	8.68
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	5	8.64
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	12	8.61
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	10	8.6
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	20	8.58
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	19	8.52
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	2	8.51
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	6	8.49
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	16	8.47
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	17	8.45
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	19	8.39
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	10	8.3
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	3	8.25
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	4	8.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	11	8.14
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	4	8.05
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	7	8.0
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	3	7.98
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	2	7.93
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	15	7.93
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	14	7.92
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	5	7.87
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	15	7.85
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	7	7.72
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	1	7.72
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	20	7.69
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	13	7.68
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	6	7.66
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	8	7.66
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	16	7.63
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	17	7.6
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	18	7.58
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	15	7.58
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	10	7.57
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	14	7.56
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	16	7.52
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	12	7.5
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	2	7.49
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	18	7.47
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	11	7.44
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	12	7.44
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	18	7.43
(1,154)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	1	7.42
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	20	7.39
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	10	7.37
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	1	7.37
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	20	7.37
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	18	7.35
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	3	7.34
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	18	7.33
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	18	7.32
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	13	7.31
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	2	7.3
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	11	7.3
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	9	7.29
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	6	7.28
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	6	7.26
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	3	7.25
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	7	7.24
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	14	7.22
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	8	7.18
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	12	7.17
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	9	7.06
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	17	7.04
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	1	7.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	9	7.03
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	15	7.02
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	5	6.99
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	4	6.99
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	17	6.98
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	11	6.94
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	9	6.93
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	4	6.91
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	13	6.89
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	8	6.83
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	6	6.82
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	8	6.77
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	11	6.66
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	19	6.62
(1,133)	1:417:A:GLY:C	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	19	6.54
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	5	6.48
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	16	6.45
(1,150)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	5	6.43
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	16	6.41
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	14	6.4
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	4	6.38
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	13	6.33
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	4	6.31
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	6	6.27
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	19	6.2
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	13	6.19
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	2	6.16
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	2	6.14
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	5	6.13
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	15	6.1
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	7	6.02
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	7	6.01
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	10	5.99
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	19	5.96
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	3	5.96
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	20	5.95
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	17	5.94
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	6	5.94
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	10	5.93
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	16	5.91
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	5	5.88
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	17	5.82
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	14	5.81
(1,130)	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	1:415:A:TRP:N	2	5.76
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	19	5.75
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	1	5.74
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	2	5.72
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	5	5.72
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	9	5.69
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	15	5.68
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	8	5.64

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	18	5.62
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	4	5.62
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	20	5.57
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	11	5.55
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	2	5.55
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	13	5.51
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	2	5.47
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	5	5.47
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	20	5.46
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	6	5.45
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	12	5.43
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	7	5.43
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	12	5.41
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	16	5.41
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	12	5.41
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	14	5.39
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	11	5.38
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	3	5.37
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	4	5.36
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	16	5.36
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	3	5.35
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	1	5.35
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	20	5.35
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	10	5.31
(1,130)	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	1:415:A:TRP:N	8	5.31
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	14	5.3
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	11	5.3
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	12	5.24
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	9	5.23
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	8	5.21
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	19	5.21
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	7	5.2
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	12	5.19
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	14	5.17
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	10	5.16
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	4	5.15
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	6	5.15
(1,130)	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	1:415:A:TRP:N	11	5.14
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	17	5.13
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	13	5.13
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	10	5.13
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	11	5.13
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	18	5.09
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	10	5.09
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	10	5.08
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	2	5.07
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	8	5.04
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	3	5.03
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	20	5.02
(1,164)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	10	5.01
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	2	5.01

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	10	5.0
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	20	5.0
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	10	4.99
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	13	4.96
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	20	4.96
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	15	4.95
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	20	4.95
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	10	4.94
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	14	4.94
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	9	4.9
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	6	4.88
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	16	4.88
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	6	4.86
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	13	4.86
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	19	4.86
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	8	4.85
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	9	4.85
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	11	4.82
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	14	4.82
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	19	4.82
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	10	4.82
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	14	4.81
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	15	4.8
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	10	4.8
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	15	4.8
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	2	4.8
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	15	4.78
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	8	4.78
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	6	4.77
(1,130)	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	1:415:A:TRP:N	14	4.76
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	17	4.74
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	8	4.73
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	17	4.73
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	3	4.72
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	11	4.7
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	19	4.69
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1	4.68
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	3	4.67
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	20	4.67
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	6	4.67
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	5	4.66
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	4	4.64
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	13	4.63
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	19	4.63
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	20	4.62
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	8	4.62
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	8	4.61
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	12	4.61
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	7	4.61
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	8	4.6
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	9	4.59

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	9	4.59
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	19	4.58
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	20	4.58
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	18	4.55
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	12	4.55
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	13	4.54
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	16	4.53
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	3	4.52
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	8	4.52
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	9	4.51
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	17	4.5
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	15	4.49
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	9	4.47
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	1	4.47
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	2	4.44
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	6	4.43
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	10	4.42
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	5	4.4
(1,135)	1:419:A:GLY:C	1:420:A:ILE:N	1:420:A:ILE:CA	1:420:A:ILE:C	19	4.4
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	13	4.38
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	4	4.37
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	7	4.36
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	8	4.35
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	4	4.33
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	14	4.28
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	8	4.28
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	3	4.28
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	18	4.27
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	17	4.27
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	5	4.26
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	19	4.26
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	13	4.25
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	1	4.25
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	15	4.25
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	4	4.24
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	18	4.23
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	2	4.22
(1,130)	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	1:415:A:TRP:N	4	4.2
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	11	4.19
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	9	4.18
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	17	4.17
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	15	4.16
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	12	4.16
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	7	4.15
(1,81)	1:386:A:ASN:C	1:387:A:LYS:N	1:387:A:LYS:CA	1:387:A:LYS:C	19	4.15
(1,207)	1:461:A:THR:C	1:462:A:PRO:N	1:462:A:PRO:CA	1:462:A:PRO:C	18	4.14
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	1	4.12
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	3	4.12
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	12	4.11
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	1	4.11
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	15	4.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	3	4.1
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	4	4.1
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	5	4.1
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	15	4.1
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	9	4.09
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	3	4.08
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	4	4.08
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	16	4.08
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	7	4.08
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	4	4.08
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	11	4.07
(1,130)	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	1:415:A:TRP:N	15	4.07
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	18	4.07
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	14	4.06
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	18	4.06
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	16	4.06
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	8	4.05
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	2	4.01
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	12	4.01
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	19	4.01
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	11	4.01
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	2	3.99
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	16	3.98
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	12	3.97
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	14	3.96
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	10	3.95
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	15	3.94
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	20	3.93
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	17	3.93
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	17	3.89
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	14	3.87
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	12	3.87
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	7	3.87
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	7	3.86
(1,72)	1:382:A:PHE:N	1:382:A:PHE:CA	1:382:A:PHE:C	1:383:A:TYR:N	20	3.86
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	11	3.84
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	11	3.83
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	15	3.83
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	16	3.81
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	16	3.8
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	17	3.79
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	16	3.76
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	18	3.76
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	14	3.75
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	2	3.75
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	16	3.72
(1,186)	1:450:A:MET:N	1:450:A:MET:CA	1:450:A:MET:C	1:451:A:LYS:N	19	3.69
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	16	3.69
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	9	3.69
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	12	3.67
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	4	3.64

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	20	3.62
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	13	3.59
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	12	3.58
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	5	3.57
(1,81)	1:386:A:ASN:C	1:387:A:LYS:N	1:387:A:LYS:CA	1:387:A:LYS:C	16	3.57
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	11	3.57
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	6	3.57
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	2	3.53
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	7	3.53
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	16	3.52
(1,87)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	15	3.52
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	14	3.51
(1,74)	1:383:A:TYR:N	1:383:A:TYR:CA	1:383:A:TYR:C	1:384:A:VAL:N	20	3.51
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	8	3.51
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	3	3.49
(1,89)	1:391:A:ALA:C	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	8	3.49
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	5	3.47
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	1	3.46
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	11	3.46
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	15	3.42
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	4	3.41
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	4	3.41
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	6	3.4
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	15	3.4
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	14	3.38
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	13	3.38
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	7	3.36
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	20	3.35
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	5	3.31
(1,130)	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	1:415:A:TRP:N	5	3.3
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	12	3.3
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	16	3.29
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	1	3.26
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	10	3.26
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	4	3.25
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	1	3.25
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	1	3.25
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	19	3.25
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	18	3.24
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	18	3.23
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	1	3.22
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	2	3.22
(1,149)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	13	3.19
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	2	3.18
(1,168)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	5	3.17
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	6	3.17
(1,95)	1:394:A:LYS:C	1:395:A:GLY:N	1:395:A:GLY:CA	1:395:A:GLY:C	7	3.15
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	14	3.15
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	2	3.14
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	17	3.13
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	3	3.13

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	5	3.12
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	13	3.09
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1	3.07
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	17	3.07
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	4	3.06
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	1	3.04
(1,211)	1:463:A:VAL:C	1:464:A:LEU:N	1:464:A:LEU:CA	1:464:A:LEU:C	20	3.02
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	18	2.99
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	4	2.97
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	15	2.94
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	9	2.94
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	8	2.93
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	19	2.92
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	9	2.92
(1,155)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	13	2.91
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	3	2.9
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	13	2.9
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	13	2.88
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	7	2.83
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	20	2.81
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	9	2.8
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	17	2.79
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	7	2.79
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	2	2.79
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	9	2.77
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	13	2.76
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	10	2.76
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	3	2.76
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	4	2.76
(1,207)	1:461:A:THR:C	1:462:A:PRO:N	1:462:A:PRO:CA	1:462:A:PRO:C	19	2.75
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	17	2.74
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1	2.73
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	7	2.73
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	1	2.71
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	17	2.7
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	14	2.69
(1,152)	1:431:A:GLY:N	1:431:A:GLY:CA	1:431:A:GLY:C	1:432:A:ASP:N	13	2.68
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	11	2.66
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	18	2.65
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	8	2.63
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	1	2.63
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	11	2.61
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	7	2.61
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	5	2.6
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	12	2.6
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	6	2.59
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	5	2.59
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	5	2.58
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	17	2.57
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	11	2.57
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	19	2.56

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	14	2.56
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	1	2.56
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	9	2.55
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	1	2.55
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	5	2.55
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	6	2.54
(1,74)	1:383:A:TYR:N	1:383:A:TYR:CA	1:383:A:TYR:C	1:384:A:VAL:N	13	2.54
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	18	2.53
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	2	2.53
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	13	2.52
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	8	2.5
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	13	2.5
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	19	2.49
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	15	2.48
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	5	2.47
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	16	2.46
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	8	2.45
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	12	2.43
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	13	2.43
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	6	2.43
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	9	2.43
(1,13)	1:347:A:VAL:C	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	10	2.41
(1,148)	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	1:430:A:GLY:N	13	2.4
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	17	2.4
(1,81)	1:386:A:ASN:C	1:387:A:LYS:N	1:387:A:LYS:CA	1:387:A:LYS:C	18	2.39
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	10	2.39
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	16	2.38
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	6	2.37
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	15	2.37
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	16	2.37
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	8	2.36
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	18	2.36
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	17	2.35
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	20	2.35
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	3	2.35
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	19	2.35
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	2	2.34
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	16	2.33
(1,207)	1:461:A:THR:C	1:462:A:PRO:N	1:462:A:PRO:CA	1:462:A:PRO:C	16	2.32
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	14	2.32
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	18	2.32
(1,134)	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	1:419:A:GLY:N	19	2.32
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	7	2.32
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	6	2.31
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	18	2.31
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	6	2.3
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	17	2.3
(1,132)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	19	2.29
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	20	2.28
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	19	2.28
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	1	2.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	18	2.27
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	3	2.27
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	3	2.27
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	4	2.26
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	9	2.25
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	13	2.25
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	13	2.24
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	4	2.24
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	13	2.23
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	7	2.23
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	12	2.22
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	19	2.2
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	3	2.2
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	18	2.19
(1,79)	1:385:A:TRP:C	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	7	2.19
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	19	2.19
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	16	2.18
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	10	2.17
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	2	2.17
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	3	2.14
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	15	2.14
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	8	2.14
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	15	2.12
(1,130)	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	1:415:A:TRP:N	16	2.11
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	2	2.11
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	7	2.11
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	3	2.1
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	9	2.09
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	7	2.09
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1	2.08
(1,92)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	4	2.08
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	12	2.08
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	11	2.04
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	14	2.04
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	18	2.04
(1,145)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	7	2.03
(1,131)	1:415:A:TRP:C	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	20	2.02
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	19	2.02
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	15	2.02
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	20	2.01
(1,162)	1:436:A:THR:N	1:436:A:THR:CA	1:436:A:THR:C	1:437:A:ARG:N	7	2.0
(1,92)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	11	2.0
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	13	2.0
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	12	1.99
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	15	1.99
(1,87)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	8	1.97
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	9	1.96
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	6	1.96
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	10	1.96
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	15	1.94
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	18	1.94

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	17	1.93
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	5	1.93
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	1	1.93
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	9	1.91
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	18	1.91
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	7	1.9
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	4	1.9
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	14	1.9
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	16	1.9
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	14	1.9
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	8	1.89
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	20	1.89
(1,74)	1:383:A:TYR:N	1:383:A:TYR:CA	1:383:A:TYR:C	1:384:A:VAL:N	5	1.88
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	18	1.88
(1,140)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	6	1.87
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	4	1.86
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	5	1.86
(1,76)	1:384:A:VAL:N	1:384:A:VAL:CA	1:384:A:VAL:C	1:385:A:TRP:N	11	1.86
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	12	1.86
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1	1.85
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	20	1.84
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	13	1.83
(1,63)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	14	1.83
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	10	1.82
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	9	1.82
(1,21)	1:352:A:GLN:C	1:353:A:HIS:N	1:353:A:HIS:CA	1:353:A:HIS:C	19	1.82
(1,9)	1:345:A:ILE:C	1:346:A:GLU:N	1:346:A:GLU:CA	1:346:A:GLU:C	5	1.82
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	12	1.81
(1,103)	1:398:A:ASP:C	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	17	1.81
(1,167)	1:438:A:GLY:C	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	5	1.8
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	3	1.79
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	17	1.77
(1,147)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	20	1.77
(1,69)	1:380:A:GLY:C	1:381:A:VAL:N	1:381:A:VAL:CA	1:381:A:VAL:C	20	1.77
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	7	1.76
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	19	1.76
(1,207)	1:461:A:THR:C	1:462:A:PRO:N	1:462:A:PRO:CA	1:462:A:PRO:C	5	1.75
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	20	1.75
(1,78)	1:385:A:TRP:N	1:385:A:TRP:CA	1:385:A:TRP:C	1:386:A:ASN:N	5	1.75
(1,79)	1:385:A:TRP:C	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	5	1.73
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	18	1.72
(1,76)	1:384:A:VAL:N	1:384:A:VAL:CA	1:384:A:VAL:C	1:385:A:TRP:N	12	1.71
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	4	1.69
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	15	1.67
(1,162)	1:436:A:THR:N	1:436:A:THR:CA	1:436:A:THR:C	1:437:A:ARG:N	9	1.66
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	5	1.66
(1,76)	1:384:A:VAL:N	1:384:A:VAL:CA	1:384:A:VAL:C	1:385:A:TRP:N	20	1.65
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	10	1.64
(1,131)	1:415:A:TRP:C	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1	1.63
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	13	1.63
(1,92)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	15	1.63

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	2	1.62
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	3	1.61
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	7	1.61
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	18	1.61
(1,79)	1:385:A:TRP:C	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	15	1.6
(1,47)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	11	1.6
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	15	1.59
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	7	1.59
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	14	1.58
(1,92)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	14	1.58
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	15	1.58
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	13	1.56
(1,149)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	10	1.54
(1,132)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	11	1.54
(1,21)	1:352:A:GLN:C	1:353:A:HIS:N	1:353:A:HIS:CA	1:353:A:HIS:C	4	1.54
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	8	1.53
(1,147)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	4	1.51
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	10	1.48
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	10	1.48
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	3	1.47
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	14	1.46
(1,79)	1:385:A:TRP:C	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	18	1.45
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	8	1.45
(1,21)	1:352:A:GLN:C	1:353:A:HIS:N	1:353:A:HIS:CA	1:353:A:HIS:C	12	1.45
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	15	1.43
(1,12)	1:347:A:VAL:N	1:347:A:VAL:CA	1:347:A:VAL:C	1:348:A:ASP:N	6	1.43
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	19	1.42
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	9	1.42
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	6	1.4
(1,207)	1:461:A:THR:C	1:462:A:PRO:N	1:462:A:PRO:CA	1:462:A:PRO:C	8	1.39
(1,198)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	11	1.38
(1,147)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	2	1.37
(1,79)	1:385:A:TRP:C	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	16	1.36
(1,207)	1:461:A:THR:C	1:462:A:PRO:N	1:462:A:PRO:CA	1:462:A:PRO:C	15	1.34
(1,175)	1:444:A:ASN:C	1:445:A:THR:N	1:445:A:THR:CA	1:445:A:THR:C	13	1.34
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	2	1.34
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	11	1.34
(1,69)	1:380:A:GLY:C	1:381:A:VAL:N	1:381:A:VAL:CA	1:381:A:VAL:C	12	1.34
(1,131)	1:415:A:TRP:C	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	12	1.33
(1,76)	1:384:A:VAL:N	1:384:A:VAL:CA	1:384:A:VAL:C	1:385:A:TRP:N	10	1.33
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	2	1.32
(1,147)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	7	1.32
(1,87)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	18	1.31
(1,130)	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	1:415:A:TRP:N	12	1.29
(1,69)	1:380:A:GLY:C	1:381:A:VAL:N	1:381:A:VAL:CA	1:381:A:VAL:C	13	1.29
(1,9)	1:345:A:ILE:C	1:346:A:GLU:N	1:346:A:GLU:CA	1:346:A:GLU:C	15	1.29
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	10	1.27
(1,28)	1:356:A:TYR:N	1:356:A:TYR:CA	1:356:A:TYR:C	1:357:A:TYR:N	20	1.27
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	8	1.26
(1,80)	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	1:387:A:LYS:N	18	1.25
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	3	1.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,147)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	12	1.24
(1,9)	1:345:A:ILE:C	1:346:A:GLU:N	1:346:A:GLU:CA	1:346:A:GLU:C	8	1.24
(1,149)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	18	1.23
(1,137)	1:420:A:ILE:C	1:421:A:HIS:N	1:421:A:HIS:CA	1:421:A:HIS:C	19	1.23
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	20	1.22
(1,170)	1:442:A:CYS:N	1:442:A:CYS:CA	1:442:A:CYS:C	1:443:A:ILE:N	5	1.21
(1,40)	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	1:363:A:ALA:N	4	1.21
(1,21)	1:352:A:GLN:C	1:353:A:HIS:N	1:353:A:HIS:CA	1:353:A:HIS:C	6	1.21
(1,166)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	9	1.2
(1,79)	1:385:A:TRP:C	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	17	1.19
(1,149)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	17	1.18
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	10	1.18
(1,92)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	20	1.18
(1,147)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	8	1.17
(1,131)	1:415:A:TRP:C	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	18	1.17
(1,74)	1:383:A:TYR:N	1:383:A:TYR:CA	1:383:A:TYR:C	1:384:A:VAL:N	15	1.17
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	11	1.16
(1,183)	1:448:A:SER:C	1:449:A:VAL:N	1:449:A:VAL:CA	1:449:A:VAL:C	9	1.14
(1,165)	1:437:A:ARG:C	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1	1.14
(1,87)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	16	1.14
(1,147)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	15	1.13
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	6	1.13
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	16	1.12
(1,69)	1:380:A:GLY:C	1:381:A:VAL:N	1:381:A:VAL:CA	1:381:A:VAL:C	9	1.12
(1,64)	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	1:376:A:PRO:N	2	1.12
(1,9)	1:345:A:ILE:C	1:346:A:GLU:N	1:346:A:GLU:CA	1:346:A:GLU:C	14	1.12
(1,139)	1:422:A:ASP:C	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	17	1.11
(1,64)	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	1:376:A:PRO:N	18	1.11
(1,9)	1:345:A:ILE:C	1:346:A:GLU:N	1:346:A:GLU:CA	1:346:A:GLU:C	18	1.11
(1,207)	1:461:A:THR:C	1:462:A:PRO:N	1:462:A:PRO:CA	1:462:A:PRO:C	12	1.1
(1,28)	1:356:A:TYR:N	1:356:A:TYR:CA	1:356:A:TYR:C	1:357:A:TYR:N	12	1.07
(1,21)	1:352:A:GLN:C	1:353:A:HIS:N	1:353:A:HIS:CA	1:353:A:HIS:C	15	1.07
(1,9)	1:345:A:ILE:C	1:346:A:GLU:N	1:346:A:GLU:CA	1:346:A:GLU:C	13	1.07
(1,76)	1:384:A:VAL:N	1:384:A:VAL:CA	1:384:A:VAL:C	1:385:A:TRP:N	1	1.05
(1,76)	1:384:A:VAL:N	1:384:A:VAL:CA	1:384:A:VAL:C	1:385:A:TRP:N	2	1.02
(1,69)	1:380:A:GLY:C	1:381:A:VAL:N	1:381:A:VAL:CA	1:381:A:VAL:C	2	1.02
(1,9)	1:345:A:ILE:C	1:346:A:GLU:N	1:346:A:GLU:CA	1:346:A:GLU:C	4	1.02
(1,9)	1:345:A:ILE:C	1:346:A:GLU:N	1:346:A:GLU:CA	1:346:A:GLU:C	7	1.02
(1,204)	1:459:A:LYS:N	1:459:A:LYS:CA	1:459:A:LYS:C	1:460:A:GLY:N	2	1.01
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	3	1.01
(1,69)	1:380:A:GLY:C	1:381:A:VAL:N	1:381:A:VAL:CA	1:381:A:VAL:C	17	1.01
(1,79)	1:385:A:TRP:C	1:386:A:ASN:N	1:386:A:ASN:CA	1:386:A:ASN:C	13	1.0