Full wwPDB NMR Structure Validation Report (i)

Mar 5, 2026 – 10:48 AM UTC

PDB ID	:	2LF7 / pdb_00002lf7
BMRB ID	:	17741
Title	:	Intramolecular regulation of the ETS Domain within ETV6 sequence R335 to Q436
Authors	:	Coyne III, H.; Green, S.M.; Graves, B.J.; Mcintosh, L.P.
Deposited on	:	2011-06-28

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

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/NMRValidationReportHelp
with specific help available everywhere you see the (i) symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

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

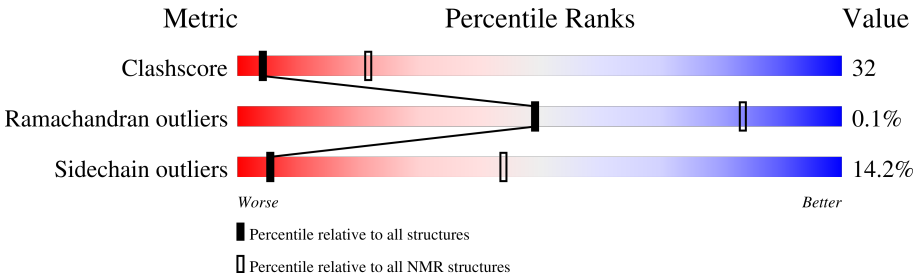
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
SOLUTION NMR

The overall completeness of chemical shifts assignment is 90%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	106	34% 45% 7% 14%

2 Ensemble composition and analysis

This entry contains 20 models. Model 1 is the overall representative, medoid model (most similar to other models).

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:335-A:380, A:386-A:430 (91)	0.30	1

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

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

The models can be grouped into 4 clusters and 2 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1833 atoms, of which 914 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Transcription factor ETV6.

Mol	Chain	Residues	Atoms						Trace
1	A	106	Total	C	H	N	O	S	0
			1833	581	914	172	161	5	

There are 4 discrepancies between the modelled and reference sequences:

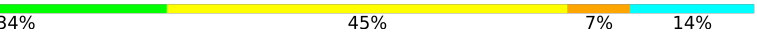
Chain	Residue	Modelled	Actual	Comment	Reference
A	331	GLY	-	expression tag	UNP P97360
A	332	SER	-	expression tag	UNP P97360
A	333	HIS	-	expression tag	UNP P97360
A	334	MET	-	expression tag	UNP P97360

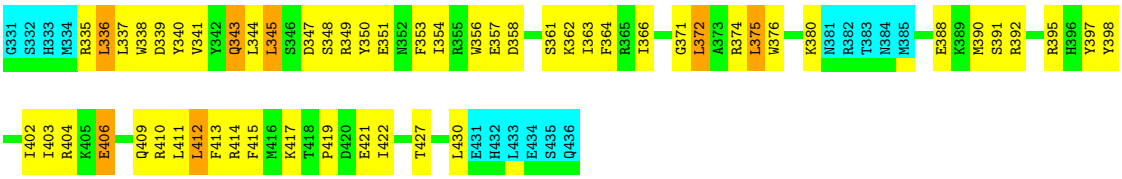
4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Transcription factor ETV6

Chain A: 

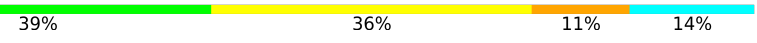


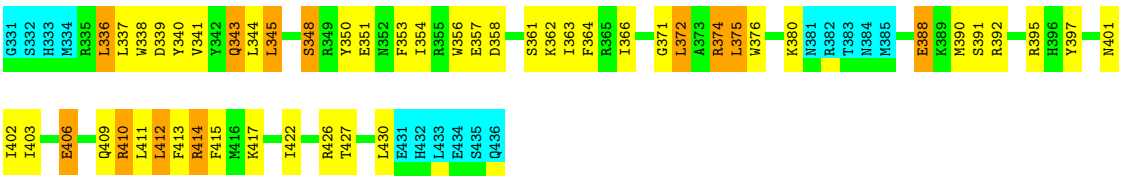
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1 (medoid)

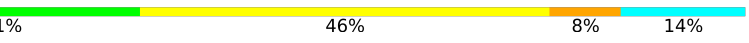
• Molecule 1: Transcription factor ETV6

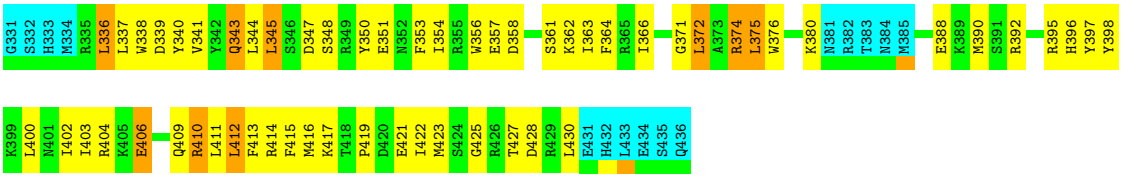
Chain A: 



4.2.2 Score per residue for model 2

• Molecule 1: Transcription factor ETV6

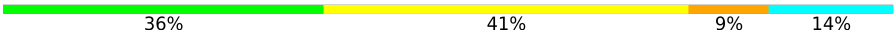
Chain A: 

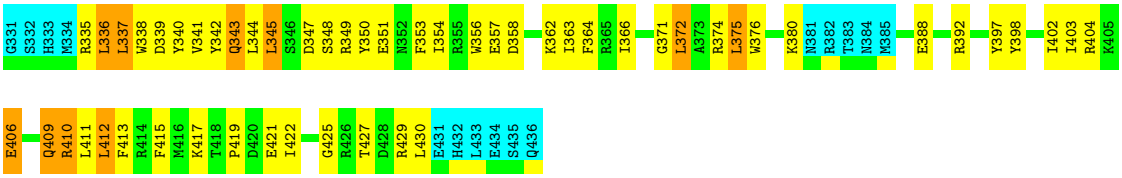


4.2.3 Score per residue for model 3

• Molecule 1: Transcription factor ETV6

Chain A:

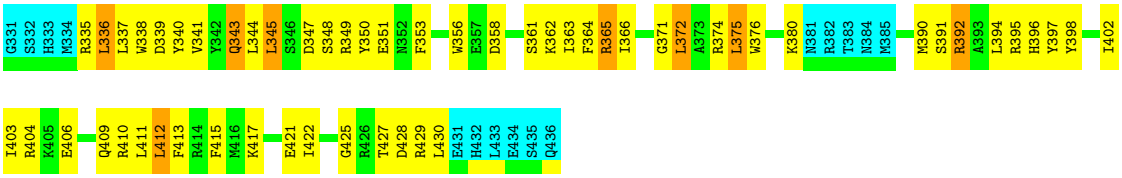




4.2.4 Score per residue for model 4

• Molecule 1: Transcription factor ETV6

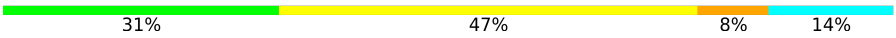
Chain A:

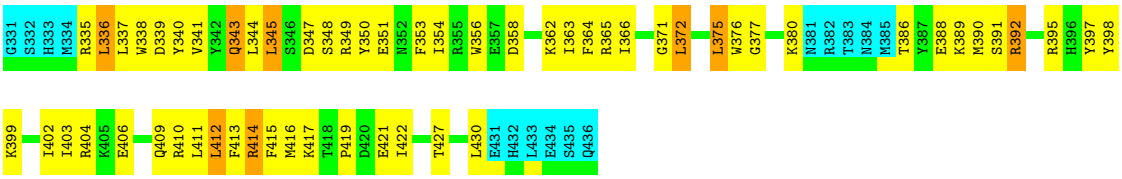


4.2.5 Score per residue for model 5

• Molecule 1: Transcription factor ETV6

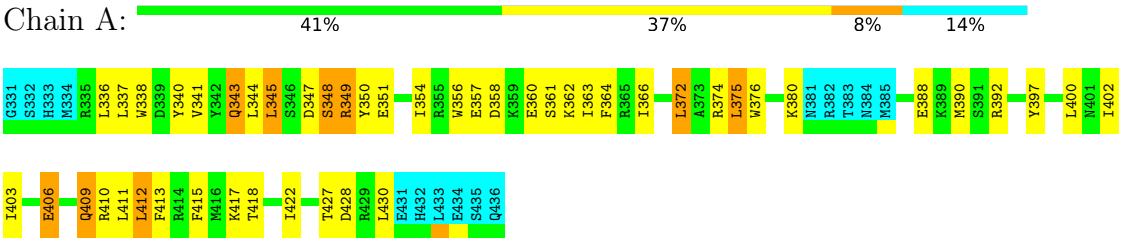
Chain A:





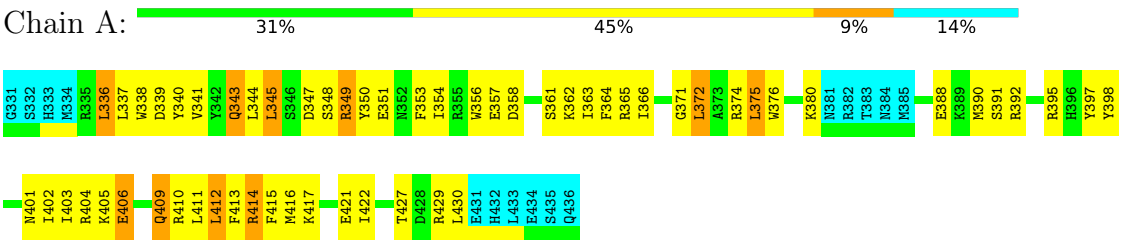
4.2.6 Score per residue for model 6

• Molecule 1: Transcription factor ETV6



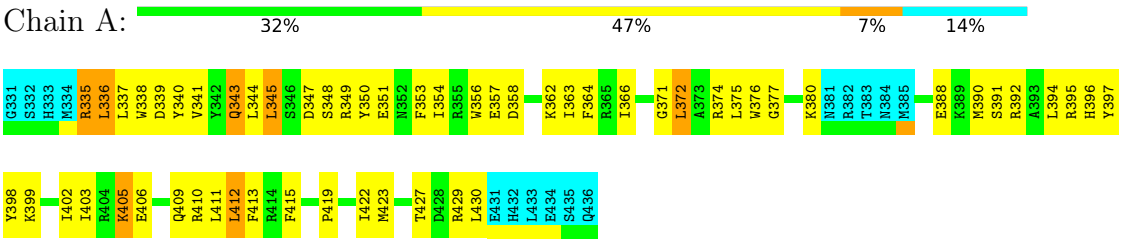
4.2.7 Score per residue for model 7

• Molecule 1: Transcription factor ETV6



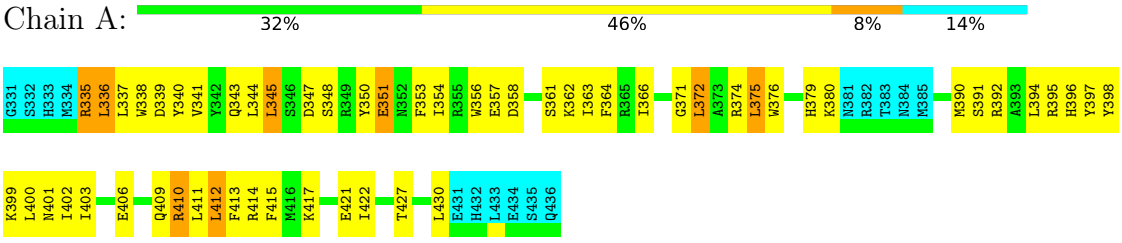
4.2.8 Score per residue for model 8

• Molecule 1: Transcription factor ETV6



4.2.9 Score per residue for model 9

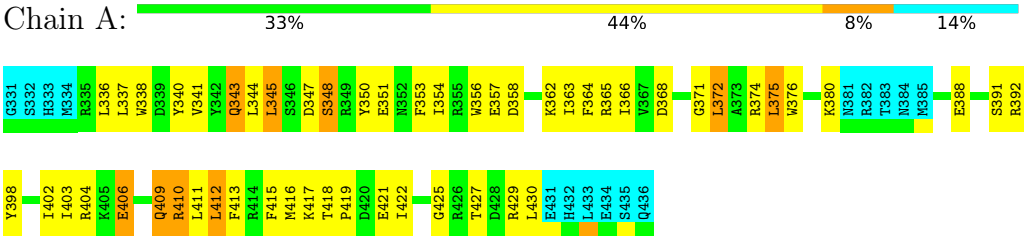
• Molecule 1: Transcription factor ETV6



4.2.10 Score per residue for model 10

• Molecule 1: Transcription factor ETV6

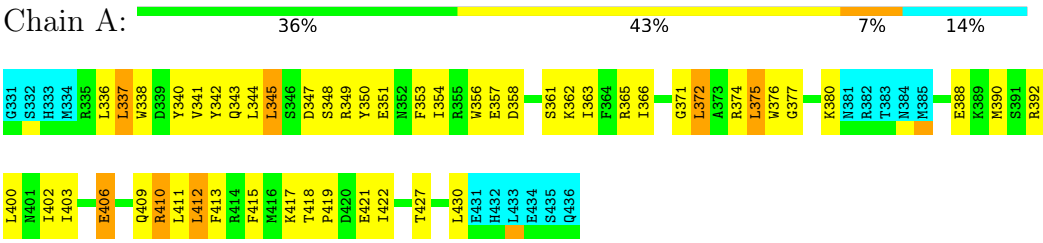
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Transcription factor ETV6

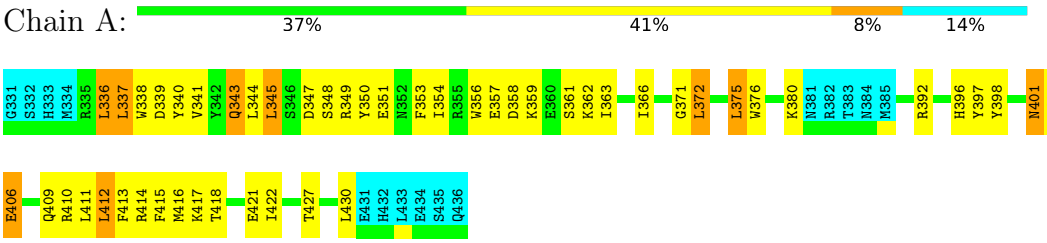
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Transcription factor ETV6

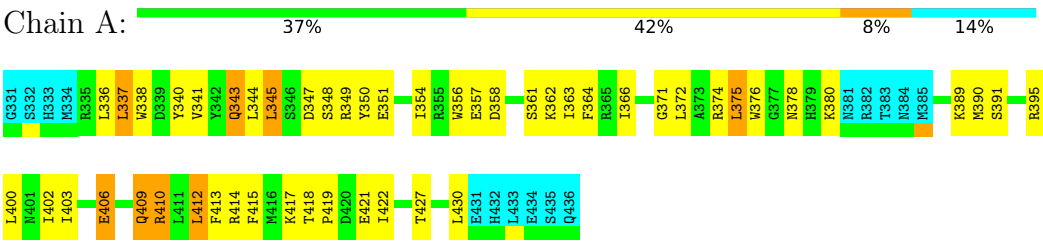
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Transcription factor ETV6

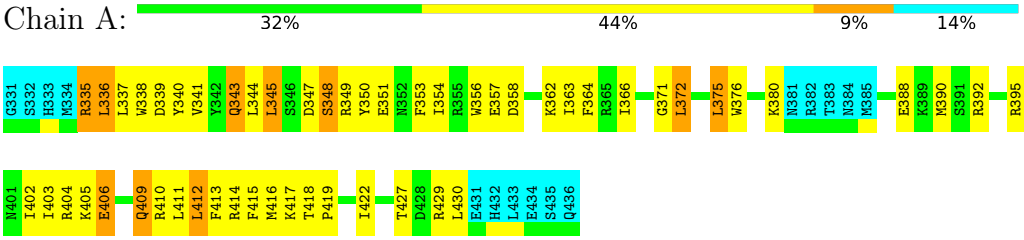
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Transcription factor ETV6

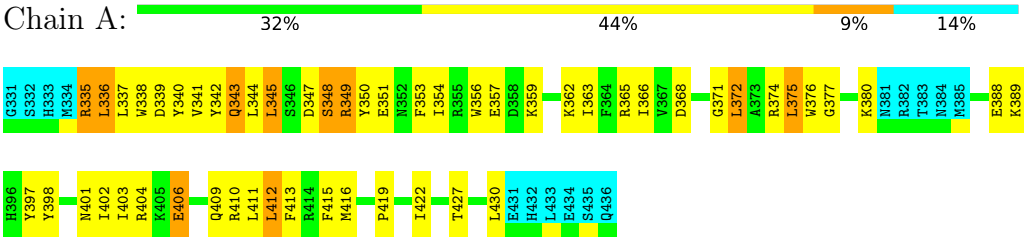
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Transcription factor ETV6

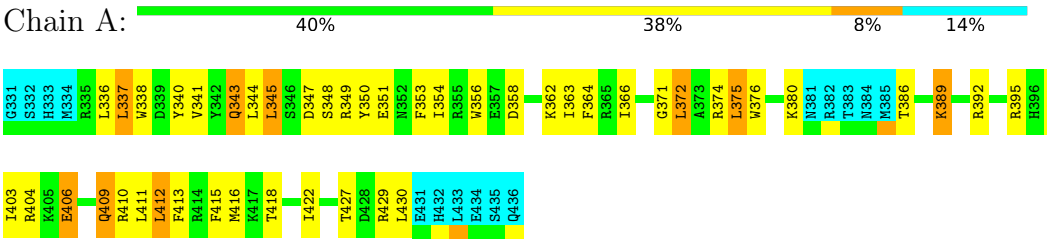
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Transcription factor ETV6

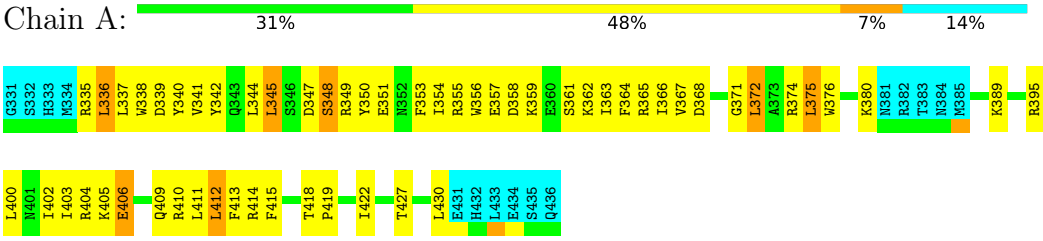
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Transcription factor ETV6

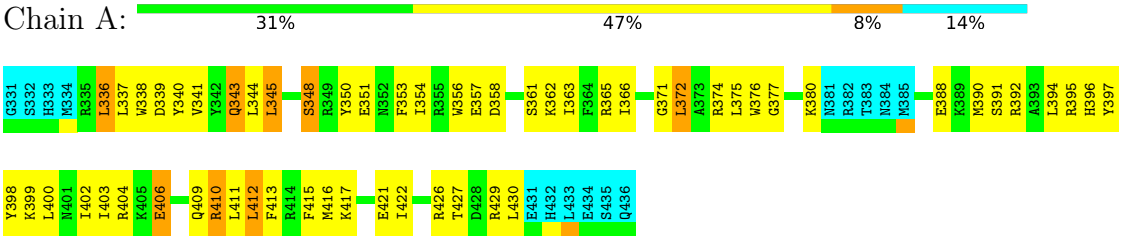
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Transcription factor ETV6

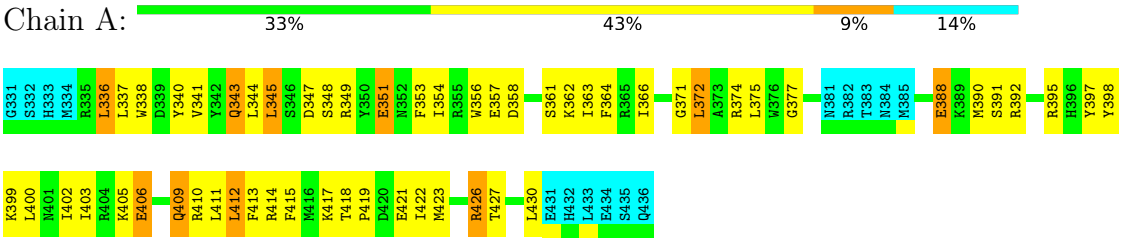
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Transcription factor ETV6

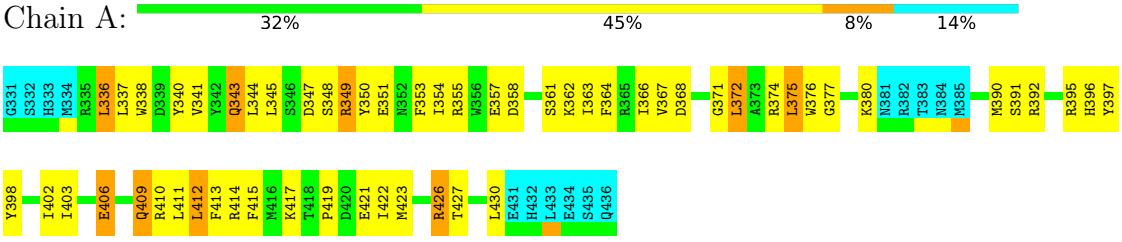
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Transcription factor ETV6

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 20 calculated structures, 20 were deposited, based on the following criterion: *all calculated structures submitted.*

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

Software name	Classification	Version
ARIA	structure solution	2.3
TALOS+	geometry optimization	
ARIA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1387
Number of shifts mapped to atoms	1387
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	90%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	797	802	802	52±4
All	All	15940	16040	16040	1036

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 32.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:406:GLU:HG2	1:A:412:LEU:HB3	0.96	1.35	2	16
1:A:362:LYS:HB3	1:A:415:PHE:HB2	0.93	1.41	5	20
1:A:356:TRP:CD1	1:A:359:LYS:HE2	0.80	2.11	15	2
1:A:402:ILE:HG23	1:A:422:ILE:HD13	0.77	1.56	11	20
1:A:363:ILE:HG23	1:A:412:LEU:HD11	0.77	1.54	7	20
1:A:427:THR:HA	1:A:430:LEU:HD12	0.77	1.56	8	19
1:A:409:GLN:HE21	1:A:412:LEU:HB2	0.75	1.42	9	2
1:A:417:LYS:HD3	1:A:421:GLU:HB3	0.74	1.58	2	11
1:A:406:GLU:CG	1:A:412:LEU:HB3	0.74	2.11	2	16
1:A:406:GLU:HB2	1:A:409:GLN:HB2	0.73	1.60	9	4
1:A:366:ILE:HB	1:A:411:LEU:HB3	0.71	1.61	8	19
1:A:410:ARG:HG3	1:A:411:LEU:H	0.70	1.46	17	2
1:A:422:ILE:HG22	1:A:427:THR:HG22	0.70	1.64	12	16
1:A:376:TRP:CZ2	1:A:380:LYS:HD3	0.69	2.22	9	8

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:406:GLU:CD	1:A:409:GLN:HB2	0.69	2.12	19	11
1:A:351:GLU:HA	1:A:354:ILE:O	0.69	1.88	19	19
1:A:357:GLU:HB2	1:A:363:ILE:HG22	0.68	1.65	18	13
1:A:422:ILE:HG22	1:A:427:THR:HG23	0.68	1.66	5	4
1:A:376:TRP:CE2	1:A:380:LYS:HD2	0.67	2.24	10	8
1:A:402:ILE:HG22	1:A:403:ILE:HG13	0.67	1.63	16	17
1:A:337:LEU:HD21	1:A:390:MET:HG3	0.67	1.65	4	15
1:A:348:SER:HA	1:A:351:GLU:HG2	0.66	1.67	4	1
1:A:337:LEU:O	1:A:341:VAL:HG13	0.64	1.93	3	20
1:A:388:GLU:O	1:A:392:ARG:HG2	0.64	1.91	18	10
1:A:391:SER:O	1:A:395:ARG:HG2	0.64	1.93	5	9
1:A:404:ARG:NH2	1:A:416:MET:HA	0.64	2.08	15	1
1:A:344:LEU:HA	1:A:350:TYR:CD2	0.63	2.28	11	17
1:A:363:ILE:CG2	1:A:412:LEU:HD11	0.62	2.24	5	19
1:A:380:LYS:HB3	1:A:380:LYS:NZ	0.62	2.09	13	1
1:A:338:TRP:CZ2	1:A:427:THR:HG21	0.62	2.30	9	17
1:A:398:TYR:HA	1:A:403:ILE:O	0.61	1.94	7	17
1:A:406:GLU:HG3	1:A:412:LEU:HD12	0.61	1.70	8	4
1:A:402:ILE:HG12	1:A:422:ILE:HG23	0.61	1.71	5	15
1:A:363:ILE:HG12	1:A:414:ARG:HB2	0.61	1.70	5	5
1:A:340:TYR:O	1:A:344:LEU:HG	0.61	1.96	11	9
1:A:371:GLY:HA2	1:A:374:ARG:HE	0.61	1.54	9	1
1:A:338:TRP:HZ2	1:A:427:THR:HG21	0.60	1.55	9	16
1:A:422:ILE:HG22	1:A:427:THR:CG2	0.60	2.27	2	17
1:A:405:LYS:HG2	1:A:413:PHE:CE1	0.59	2.32	8	1
1:A:348:SER:HA	1:A:351:GLU:CG	0.59	2.28	4	1
1:A:355:ARG:HG2	1:A:367:VAL:CG2	0.59	2.27	20	2
1:A:392:ARG:HD3	1:A:392:ARG:C	0.59	2.22	5	1
1:A:347:ASP:OD1	1:A:349:ARG:HG2	0.58	1.98	5	9
1:A:366:ILE:HD12	1:A:413:PHE:CE1	0.58	2.34	9	16
1:A:353:PHE:CD1	1:A:371:GLY:HA3	0.58	2.33	19	18
1:A:347:ASP:OD1	1:A:349:ARG:HD2	0.58	1.98	20	5
1:A:400:LEU:HD22	1:A:429:ARG:HH21	0.58	1.59	18	1
1:A:386:THR:H	1:A:389:LYS:CG	0.58	2.12	16	1
1:A:410:ARG:HG2	1:A:411:LEU:H	0.56	1.59	3	5
1:A:338:TRP:HD1	1:A:397:TYR:CZ	0.56	2.18	15	6
1:A:336:LEU:N	1:A:339:ASP:HB3	0.56	2.15	4	11
1:A:348:SER:O	1:A:351:GLU:HG2	0.56	2.00	20	16
1:A:405:LYS:HE2	1:A:406:GLU:OE2	0.56	2.00	19	2
1:A:388:GLU:O	1:A:392:ARG:HD2	0.56	2.01	3	1
1:A:358:ASP:HB3	1:A:361:SER:HB2	0.55	1.79	17	13

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:380:LYS:HB3	1:A:380:LYS:HZ3	0.55	1.62	13	1
1:A:355:ARG:HG2	1:A:367:VAL:HG21	0.54	1.78	20	1
1:A:361:SER:CB	1:A:363:ILE:HD13	0.54	2.33	7	1
1:A:335:ARG:HB2	1:A:379:HIS:CE1	0.54	2.37	9	1
1:A:406:GLU:HG2	1:A:412:LEU:CB	0.54	2.24	2	5
1:A:376:TRP:CZ2	1:A:380:LYS:HD2	0.54	2.37	17	7
1:A:366:ILE:HD12	1:A:413:PHE:CE2	0.54	2.38	7	1
1:A:417:LYS:HB3	1:A:422:ILE:HG12	0.53	1.80	14	1
1:A:372:LEU:HD12	1:A:390:MET:SD	0.53	2.42	5	7
1:A:397:TYR:CE1	1:A:430:LEU:HD21	0.53	2.39	12	1
1:A:417:LYS:HG2	1:A:422:ILE:CG1	0.53	2.34	12	1
1:A:357:GLU:HG3	1:A:412:LEU:CD2	0.53	2.34	12	8
1:A:342:TYR:CE2	1:A:419:PRO:HG3	0.53	2.38	11	4
1:A:372:LEU:O	1:A:375:LEU:HB2	0.52	2.04	20	17
1:A:337:LEU:HD23	1:A:376:TRP:CD2	0.52	2.39	3	12
1:A:363:ILE:HG13	1:A:414:ARG:HB2	0.52	1.79	7	1
1:A:427:THR:CA	1:A:430:LEU:HD12	0.52	2.32	8	4
1:A:335:ARG:HG3	1:A:339:ASP:OD1	0.52	2.05	9	1
1:A:343:GLN:NE2	1:A:343:GLN:HA	0.52	2.20	11	1
1:A:418:THR:O	1:A:422:ILE:HG13	0.52	2.04	14	9
1:A:359:LYS:O	1:A:362:LYS:HD3	0.52	2.05	17	2
1:A:335:ARG:HB3	1:A:339:ASP:HB3	0.51	1.80	17	2
1:A:396:HIS:HA	1:A:399:LYS:NZ	0.51	2.20	9	2
1:A:406:GLU:CG	1:A:412:LEU:HD12	0.51	2.34	8	4
1:A:343:GLN:HG3	1:A:344:LEU:N	0.51	2.21	6	17
1:A:358:ASP:HB2	1:A:363:ILE:HB	0.51	1.81	5	6
1:A:338:TRP:O	1:A:341:VAL:HG22	0.51	2.05	10	18
1:A:364:PHE:CZ	1:A:413:PHE:HB2	0.51	2.40	5	16
1:A:357:GLU:HG3	1:A:412:LEU:HD21	0.51	1.82	12	12
1:A:348:SER:O	1:A:351:GLU:HG3	0.51	2.06	9	2
1:A:345:LEU:HB3	1:A:356:TRP:NE1	0.51	2.21	3	19
1:A:417:LYS:CG	1:A:421:GLU:HB2	0.50	2.37	12	2
1:A:340:TYR:CE2	1:A:344:LEU:HD11	0.50	2.42	7	13
1:A:363:ILE:HG23	1:A:412:LEU:CD1	0.50	2.33	7	6
1:A:356:TRP:CZ3	1:A:362:LYS:HA	0.50	2.42	7	2
1:A:337:LEU:HB3	1:A:397:TYR:OH	0.50	2.07	20	3
1:A:353:PHE:CE1	1:A:371:GLY:HA3	0.49	2.42	11	7
1:A:395:ARG:HD3	1:A:398:TYR:CE2	0.49	2.42	17	2
1:A:340:TYR:CD2	1:A:344:LEU:HD11	0.49	2.42	11	12
1:A:406:GLU:CD	1:A:412:LEU:HB3	0.49	2.32	13	9
1:A:412:LEU:HD13	1:A:413:PHE:N	0.49	2.23	12	19

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:353:PHE:CB	1:A:372:LEU:HD23	0.49	2.38	19	9
1:A:335:ARG:HA	1:A:339:ASP:OD2	0.49	2.08	8	2
1:A:404:ARG:HB3	1:A:416:MET:CG	0.49	2.36	15	2
1:A:402:ILE:HG12	1:A:422:ILE:CG2	0.49	2.37	3	9
1:A:427:THR:OG1	1:A:430:LEU:HD23	0.49	2.08	12	1
1:A:389:LYS:O	1:A:392:ARG:HG3	0.48	2.07	5	1
1:A:400:LEU:O	1:A:426:ARG:HB3	0.48	2.08	19	1
1:A:400:LEU:HD12	1:A:430:LEU:HD11	0.48	1.85	17	5
1:A:396:HIS:HD2	1:A:430:LEU:HD21	0.48	1.68	9	4
1:A:336:LEU:H	1:A:339:ASP:HB3	0.48	1.68	4	2
1:A:338:TRP:HB2	1:A:415:PHE:CE1	0.48	2.43	5	2
1:A:353:PHE:HA	1:A:368:ASP:HB3	0.48	1.85	15	4
1:A:410:ARG:N	1:A:410:ARG:HD3	0.47	2.24	9	2
1:A:410:ARG:HG3	1:A:411:LEU:N	0.47	2.24	8	2
1:A:336:LEU:HD23	1:A:336:LEU:H	0.47	1.67	13	1
1:A:402:ILE:CD1	1:A:430:LEU:HD11	0.47	2.39	15	1
1:A:397:TYR:HB3	1:A:402:ILE:HB	0.47	1.85	4	15
1:A:386:THR:O	1:A:389:LYS:HG2	0.47	2.10	16	1
1:A:338:TRP:HZ3	1:A:419:PRO:HG3	0.47	1.69	10	4
1:A:347:ASP:HB3	1:A:350:TYR:CD2	0.47	2.45	4	5
1:A:405:LYS:HD3	1:A:413:PHE:CE1	0.47	2.45	7	1
1:A:353:PHE:HB2	1:A:372:LEU:HD23	0.46	1.86	11	4
1:A:340:TYR:CE2	1:A:375:LEU:HB3	0.46	2.46	12	7
1:A:419:PRO:O	1:A:423:MET:HG3	0.46	2.11	8	4
1:A:360:GLU:HA	1:A:360:GLU:OE1	0.46	2.10	6	1
1:A:376:TRP:CD2	1:A:380:LYS:HD2	0.46	2.45	13	1
1:A:405:LYS:HG2	1:A:413:PHE:HE1	0.45	1.69	8	1
1:A:410:ARG:HG2	1:A:411:LEU:N	0.45	2.26	10	2
1:A:336:LEU:HD23	1:A:336:LEU:N	0.45	2.26	5	2
1:A:397:TYR:CE1	1:A:430:LEU:HD13	0.45	2.46	14	4
1:A:371:GLY:HA2	1:A:374:ARG:CZ	0.45	2.41	2	1
1:A:336:LEU:HD11	1:A:427:THR:OG1	0.45	2.12	13	1
1:A:338:TRP:HB2	1:A:415:PHE:CE2	0.45	2.47	17	1
1:A:404:ARG:HB3	1:A:416:MET:HG2	0.45	1.89	2	4
1:A:350:TYR:CD1	1:A:375:LEU:HD21	0.45	2.47	11	2
1:A:386:THR:OG1	1:A:388:GLU:HB3	0.45	2.11	5	1
1:A:336:LEU:N	1:A:336:LEU:HD23	0.45	2.27	2	4
1:A:347:ASP:CG	1:A:349:ARG:HE	0.45	2.20	17	1
1:A:403:ILE:HG22	1:A:404:ARG:N	0.45	2.27	17	5
1:A:344:LEU:HD22	1:A:375:LEU:HD23	0.45	1.88	17	12
1:A:397:TYR:HA	1:A:402:ILE:HD12	0.44	1.90	13	12

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:349:ARG:HD2	1:A:350:TYR:CZ	0.44	2.47	11	1
1:A:410:ARG:NE	1:A:410:ARG:H	0.44	2.10	13	1
1:A:395:ARG:HA	1:A:398:TYR:CD2	0.44	2.47	4	4
1:A:336:LEU:HD12	1:A:427:THR:OG1	0.44	2.12	3	4
1:A:362:LYS:CB	1:A:415:PHE:HB2	0.44	2.28	20	3
1:A:364:PHE:CE1	1:A:413:PHE:HB2	0.44	2.46	9	1
1:A:395:ARG:HD2	1:A:398:TYR:CE2	0.44	2.48	4	1
1:A:409:GLN:NE2	1:A:412:LEU:HB2	0.44	2.20	9	1
1:A:425:GLY:HA2	1:A:428:ASP:HB2	0.44	1.89	2	2
1:A:371:GLY:O	1:A:375:LEU:HD13	0.44	2.12	13	2
1:A:371:GLY:O	1:A:374:ARG:HG2	0.44	2.13	11	3
1:A:426:ARG:CD	1:A:426:ARG:H	0.44	2.26	20	1
1:A:410:ARG:HD2	1:A:411:LEU:H	0.43	1.73	1	1
1:A:404:ARG:HD2	1:A:416:MET:SD	0.43	2.52	12	2
1:A:417:LYS:HG2	1:A:422:ILE:HG13	0.43	1.89	12	1
1:A:404:ARG:HB3	1:A:416:MET:SD	0.43	2.54	16	5
1:A:363:ILE:HD12	1:A:363:ILE:N	0.43	2.29	7	1
1:A:376:TRP:CE2	1:A:380:LYS:HE2	0.43	2.49	8	1
1:A:400:LEU:O	1:A:402:ILE:HG13	0.43	2.13	19	2
1:A:341:VAL:HB	1:A:354:ILE:CD1	0.43	2.44	16	4
1:A:402:ILE:HG12	1:A:422:ILE:HG21	0.42	1.91	12	1
1:A:391:SER:O	1:A:395:ARG:HD3	0.42	2.15	4	1
1:A:388:GLU:HA	1:A:391:SER:OG	0.42	2.14	8	1
1:A:376:TRP:HA	1:A:376:TRP:CE3	0.42	2.50	5	3
1:A:427:THR:CB	1:A:430:LEU:HD12	0.42	2.45	20	2
1:A:401:ASN:HB3	1:A:417:LYS:NZ	0.42	2.29	1	1
1:A:380:LYS:NZ	1:A:380:LYS:CB	0.42	2.78	13	1
1:A:389:LYS:N	1:A:389:LYS:HD2	0.42	2.29	15	2
1:A:396:HIS:CD2	1:A:400:LEU:HD11	0.42	2.50	14	1
1:A:391:SER:HA	1:A:394:LEU:HD12	0.42	1.91	4	5
1:A:335:ARG:HD3	1:A:339:ASP:OD1	0.42	2.15	17	1
1:A:362:LYS:N	1:A:362:LYS:HD2	0.41	2.30	2	2
1:A:415:PHE:HB3	1:A:417:LYS:O	0.41	2.15	6	1
1:A:395:ARG:HA	1:A:398:TYR:CE2	0.41	2.50	18	2
1:A:401:ASN:O	1:A:417:LYS:HE2	0.41	2.15	12	1
1:A:417:LYS:HG2	1:A:421:GLU:HB2	0.41	1.92	19	1
1:A:362:LYS:HE2	1:A:418:THR:HG22	0.41	1.91	11	1
1:A:376:TRP:CE2	1:A:380:LYS:HD3	0.41	2.50	20	1
1:A:426:ARG:NE	1:A:426:ARG:HA	0.41	2.31	1	1
1:A:392:ARG:C	1:A:392:ARG:HD2	0.41	2.41	4	1
1:A:365:ARG:HE	1:A:412:LEU:HD23	0.41	1.74	11	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:409:GLN:NE2	1:A:412:LEU:HD23	0.41	2.31	13	1
1:A:365:ARG:HH11	1:A:412:LEU:HD23	0.40	1.76	4	1
1:A:335:ARG:H	1:A:335:ARG:HD2	0.40	1.75	14	1
1:A:396:HIS:O	1:A:400:LEU:HG	0.40	2.15	18	1
1:A:361:SER:HB2	1:A:363:ILE:HD13	0.40	1.92	7	1
1:A:363:ILE:HD11	1:A:414:ARG:NE	0.40	2.31	7	1
1:A:405:LYS:NZ	1:A:406:GLU:OE2	0.40	2.54	17	1
1:A:347:ASP:CG	1:A:349:ARG:HD2	0.40	2.42	8	1
1:A:398:TYR:HD1	1:A:403:ILE:O	0.40	1.99	15	1
1:A:337:LEU:HB3	1:A:397:TYR:CE2	0.40	2.52	19	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	91/106 (86%)	85±1 (94±1%)	6±1 (6±1%)	0±0 (0±0%)	49	83
All	All	1820/2120 (86%)	1704 (94%)	114 (6%)	2 (0%)	49	83

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	A	425	GLY	2

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	85/99 (86%)	73±2 (86±2%)	12±2 (14±2%)	5	44
All	All	1700/1980 (86%)	1459 (86%)	241 (14%)	5	44

All 29 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	345	LEU	20
1	A	372	LEU	20
1	A	412	LEU	20
1	A	336	LEU	18
1	A	343	GLN	18
1	A	410	ARG	18
1	A	375	LEU	17
1	A	406	GLU	16
1	A	374	ARG	15
1	A	409	GLN	14
1	A	348	SER	8
1	A	414	ARG	8
1	A	392	ARG	7
1	A	365	ARG	6
1	A	337	LEU	5
1	A	335	ARG	5
1	A	349	ARG	4
1	A	401	ASN	4
1	A	388	GLU	3
1	A	399	LYS	3
1	A	426	ARG	3
1	A	351	GLU	2
1	A	428	ASP	1
1	A	405	LYS	1
1	A	429	ARG	1
1	A	396	HIS	1
1	A	378	ASN	1
1	A	395	ARG	1
1	A	389	LYS	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 90% for the well-defined parts and 87% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1387
Number of shifts mapped to atoms	1387
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	4

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	102	-0.38 ± 0.24	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	98	0.17 ± 0.20	None needed (< 0.5 ppm)
$^{13}C'$	102	-0.22 ± 0.15	None needed (< 0.5 ppm)
^{15}N	97	0.45 ± 0.37	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 90%, i.e. 1255 atoms were assigned a chemical shift out of a possible 1402. 0 out of 13 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	449/453 (99%)	181/183 (99%)	182/182 (100%)	86/88 (98%)
Sidechain	674/805 (84%)	458/516 (89%)	207/240 (86%)	9/49 (18%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	132/144 (92%)	66/70 (94%)	63/69 (91%)	3/5 (60%)
Overall	1255/1402 (90%)	705/769 (92%)	452/491 (92%)	98/142 (69%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 87%, i.e. 1387 atoms were assigned a chemical shift out of a possible 1601. 0 out of 14 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	504/529 (95%)	203/214 (95%)	204/212 (96%)	97/103 (94%)
Sidechain	747/912 (82%)	507/584 (87%)	228/273 (84%)	12/55 (22%)
Aromatic	136/160 (85%)	68/78 (87%)	65/73 (89%)	3/9 (33%)
Overall	1387/1601 (87%)	778/876 (89%)	497/558 (89%)	112/167 (67%)

7.1.4 Statistically unusual chemical shifts (i)

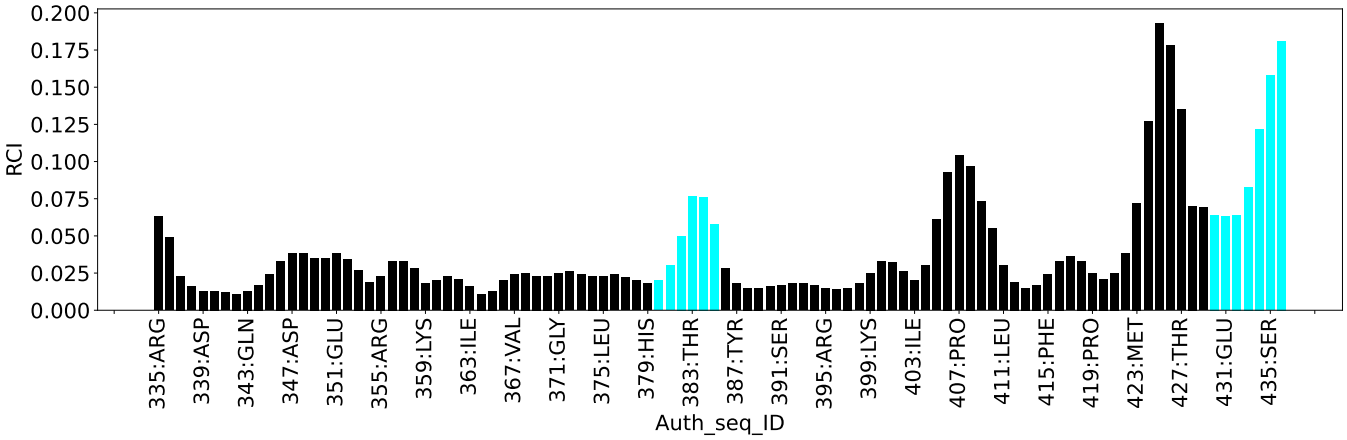
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	345	LEU	HD21	-0.93	-0.65 – 2.13	-6.0
1	A	345	LEU	HD22	-0.93	-0.65 – 2.13	-6.0
1	A	345	LEU	HD23	-0.93	-0.65 – 2.13	-6.0
1	A	413	PHE	HB3	0.70	1.03 – 4.85	-5.9

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
335:ARG
339:ASP
343:GLN
347:ASP
351:GLU
355:ARG
359:LYS
363:ILE
367:VAL
371:GLY
375:LEU
379:HIS
383:THR
387:TYR
391:SER
395:ARG
399:LYS
403:ILE
407:PRO
411:LEU
415:PHE
419:PRO
423:MET
427:THR
431:GLU
435:SER
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3787
Intra-residue (|i-j|=0)	1397
Sequential (|i-j|=1)	722
Medium range (|i-j|>1 and |i-j|<5)	665
Long range (|i-j|≥5)	1003
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	168
Number of unmapped restraints	0
Number of restraints per residue	37.3
Number of long range restraints per residue[1]	9.5

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	156.6	0.2
0.2-0.5 (Medium)	308.8	0.5
>0.5 (Large)	383.4	5.26

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	7.0	9.97
10.0-20.0 (Medium)	0.1	10.01
>20.0 (Large)	None	None

9 Distance violation analysis (i)

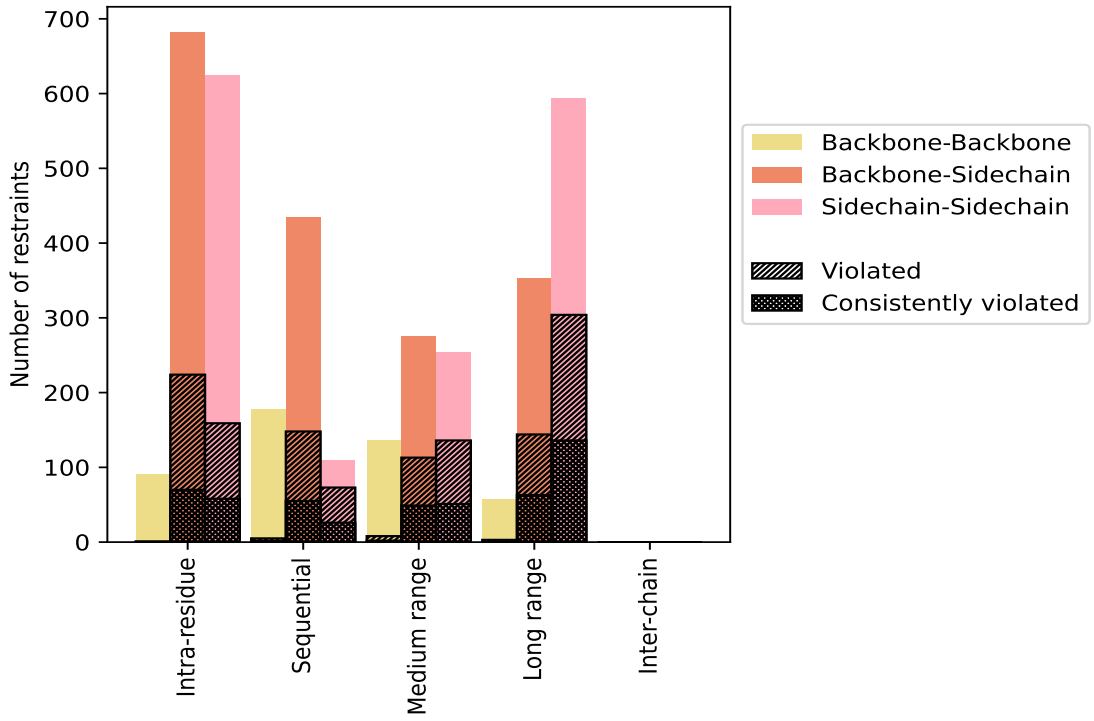
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	1397	36.9	384	27.5	10.1	128	9.2	3.4
Backbone-Backbone	91	2.4	1	1.1	0.0	0	0.0	0.0
Backbone-Sidechain	682	18.0	224	32.8	5.9	70	10.3	1.8
Sidechain-Sidechain	624	16.5	159	25.5	4.2	58	9.3	1.5
Sequential (|i-j|=1)	722	19.1	226	31.3	6.0	83	11.5	2.2
Backbone-Backbone	178	4.7	5	2.8	0.1	2	1.1	0.1
Backbone-Sidechain	435	11.5	148	34.0	3.9	55	12.6	1.5
Sidechain-Sidechain	109	2.9	73	67.0	1.9	26	23.9	0.7
Medium range (|i-j|>1 & |i-j|<5)	665	17.6	257	38.6	6.8	102	15.3	2.7
Backbone-Backbone	136	3.6	8	5.9	0.2	2	1.5	0.1
Backbone-Sidechain	275	7.3	113	41.1	3.0	49	17.8	1.3
Sidechain-Sidechain	254	6.7	136	53.5	3.6	51	20.1	1.3
Long range (|i-j|≥5)	1003	26.5	451	45.0	11.9	199	19.8	5.3
Backbone-Backbone	57	1.5	3	5.3	0.1	0	0.0	0.0
Backbone-Sidechain	353	9.3	144	40.8	3.8	63	17.8	1.7
Sidechain-Sidechain	593	15.7	304	51.3	8.0	136	22.9	3.6
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3787	100.0	1318	34.8	34.8	512	13.5	13.5
Backbone-Backbone	462	12.2	17	3.7	0.4	4	0.9	0.1
Backbone-Sidechain	1745	46.1	629	36.0	16.6	237	13.6	6.3
Sidechain-Sidechain	1580	41.7	672	42.5	17.7	271	17.2	7.2

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	245	141	163	323	0	872	0.71	5.26	0.73	0.47
2	236	150	167	310	0	863	0.66	4.16	0.65	0.45
3	250	150	152	307	0	859	0.66	4.23	0.64	0.45
4	247	141	161	316	0	865	0.66	4.09	0.64	0.46
5	250	139	163	307	0	859	0.68	4.1	0.65	0.46
6	228	146	163	312	0	849	0.65	4.06	0.65	0.44
7	233	136	167	319	0	855	0.7	4.23	0.7	0.46
8	244	145	165	313	0	867	0.69	4.24	0.69	0.45
9	244	140	159	314	0	857	0.66	4.02	0.65	0.44
10	242	142	165	308	0	857	0.66	4.24	0.64	0.45

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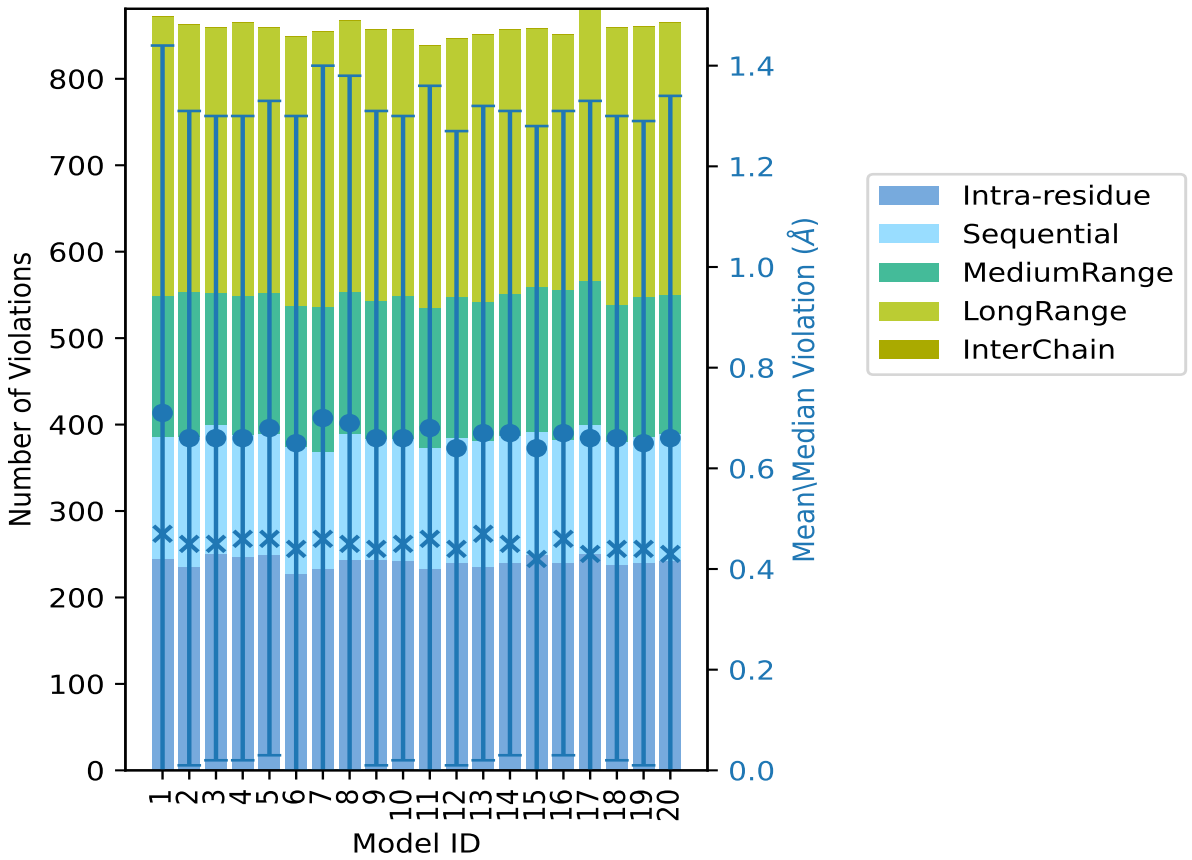
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	233	140	162	303	0	838	0.68	4.25	0.68	0.46
12	240	145	163	299	0	847	0.64	4.38	0.63	0.44
13	236	145	161	309	0	851	0.67	4.09	0.65	0.47
14	240	147	164	306	0	857	0.67	4.1	0.64	0.45
15	249	143	167	299	0	858	0.64	4.04	0.64	0.42
16	240	142	174	295	0	851	0.67	4.13	0.64	0.46
17	250	150	167	314	0	881	0.66	4.17	0.67	0.43
18	238	142	159	320	0	859	0.66	4.13	0.64	0.44
19	240	146	162	312	0	860	0.65	4.1	0.64	0.44
20	242	148	160	315	0	865	0.66	4.2	0.68	0.43

[1]Intra-residue restraints, [2]Sequential restraints, [3]Medium range restraints, [4]Long range restraints, [5]Inter-chain restraints, [6]Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model



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

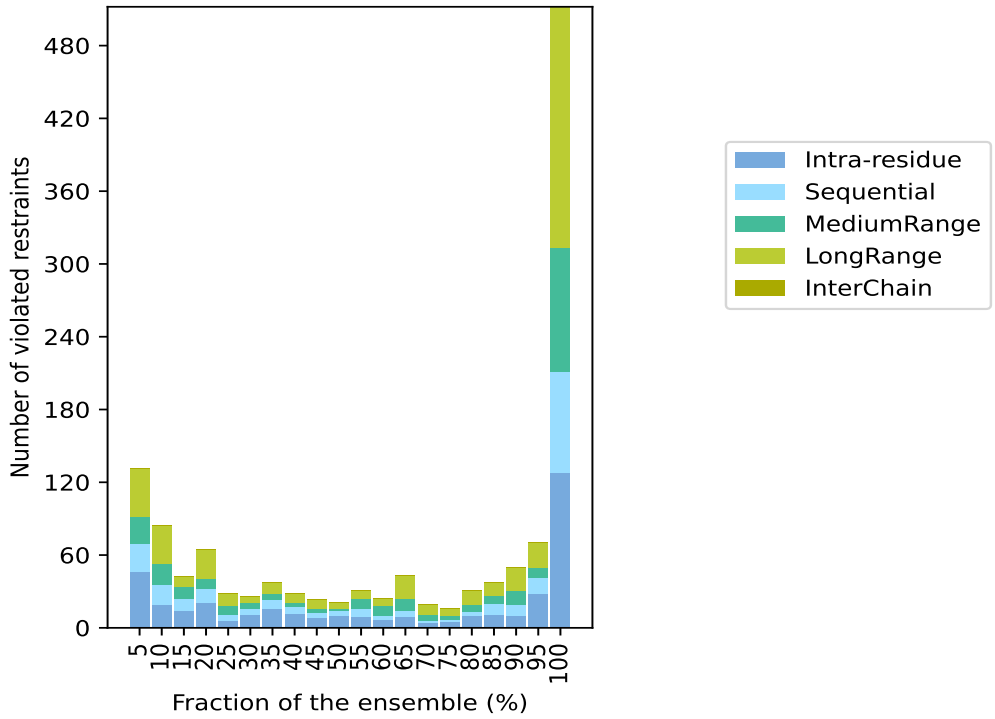
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2469(IR:1013, SQ:496, MR:408, LR:552, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
46	23	23	39	0	131	1	5.0
19	16	18	31	0	84	2	10.0
14	10	10	8	0	42	3	15.0
21	11	9	24	0	65	4	20.0
6	5	7	10	0	28	5	25.0
11	5	5	5	0	26	6	30.0
16	7	5	9	0	37	7	35.0
12	5	4	7	0	28	8	40.0
8	4	4	7	0	23	9	45.0
10	4	2	5	0	21	10	50.0
9	7	8	7	0	31	11	55.0
7	3	8	6	0	24	12	60.0
9	5	10	19	0	43	13	65.0
4	2	5	8	0	19	14	70.0
5	2	3	6	0	16	15	75.0
10	3	6	12	0	31	16	80.0
11	9	7	10	0	37	17	85.0
10	9	12	19	0	50	18	90.0
28	13	9	20	0	70	19	95.0
128	83	102	199	0	512	20	100.0

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

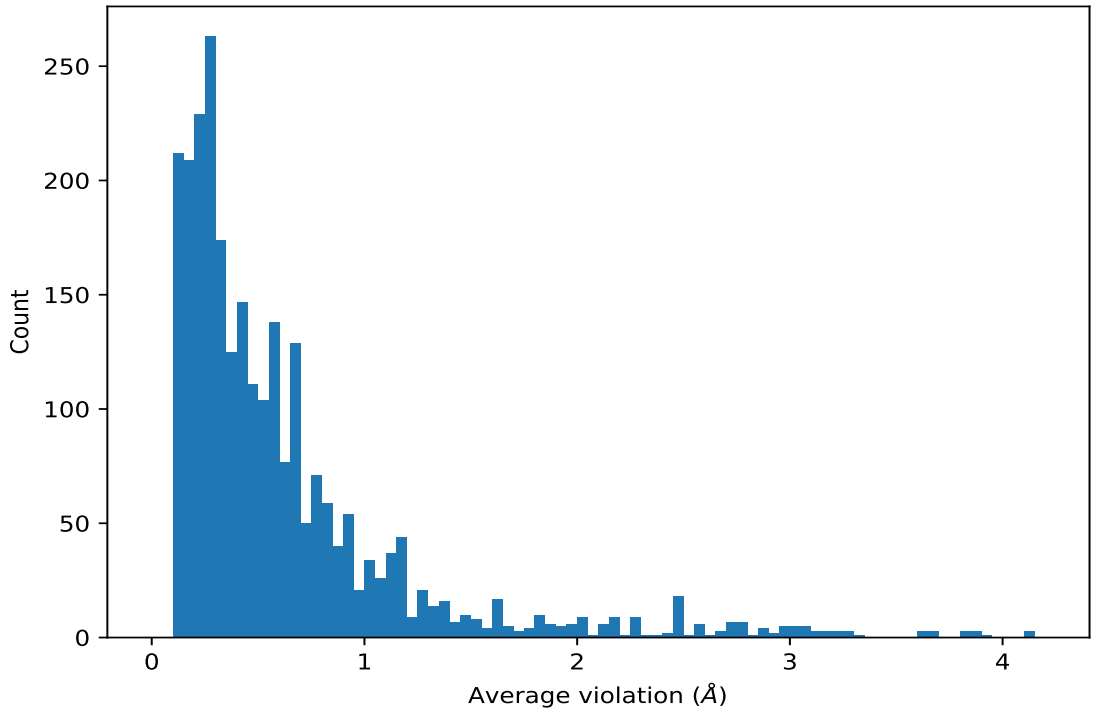
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD11	20	4.14	0.07	4.12
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD13	20	4.14	0.07	4.12
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD12	20	4.14	0.07	4.12
(1,1488)	1:400:A:LEU:HD12	1:397:A:TYR:HE2	20	3.9	0.05	3.92
(1,1488)	1:400:A:LEU:HD13	1:397:A:TYR:HE2	20	3.9	0.05	3.92
(1,1488)	1:400:A:LEU:HD11	1:397:A:TYR:HE2	20	3.9	0.05	3.92
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD11	20	3.83	0.06	3.82
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD13	20	3.83	0.06	3.82
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD12	20	3.83	0.06	3.82
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	20	3.66	0.14	3.66
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG22	20	3.66	0.14	3.66
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG23	20	3.66	0.14	3.66
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	20	3.65	0.16	3.64
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG22	20	3.65	0.16	3.64
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG23	20	3.65	0.16	3.64
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	20	3.32	0.03	3.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	20	3.23	0.23	3.24
(1,3007)	1:398:A:TYR:HD1	1:395:A:ARG:HB3	20	3.23	0.23	3.24
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	20	3.2	0.07	3.22
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD22	20	3.11	0.1	3.16
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD21	20	3.11	0.1	3.16
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD23	20	3.11	0.1	3.16
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	20	3.09	0.26	3.11
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	20	3.09	0.26	3.11
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	20	3.09	0.26	3.11
(1,3000)	1:397:A:TYR:HD2	1:400:A:LEU:HD11	20	3.09	0.26	3.11
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD11	20	2.99	0.06	2.99
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD13	20	2.99	0.06	2.99
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD12	20	2.99	0.06	2.99
(1,2997)	1:397:A:TYR:HD1	1:394:A:LEU:HD21	20	2.99	0.06	2.99
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	20	2.96	0.15	2.99
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	20	2.91	0.69	3.18
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	20	2.85	0.05	2.84
(1,2999)	1:397:A:TYR:HD1	1:337:A:LEU:HB2	20	2.85	0.05	2.84
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	20	2.81	0.14	2.8
(1,2196)	1:394:A:LEU:HD23	1:398:A:TYR:HE2	20	2.76	0.14	2.76
(1,2196)	1:394:A:LEU:HD21	1:398:A:TYR:HE2	20	2.76	0.14	2.76
(1,2196)	1:394:A:LEU:HD22	1:398:A:TYR:HE2	20	2.76	0.14	2.76
(1,70)	1:375:A:LEU:HD21	1:353:A:PHE:HE1	20	2.71	0.16	2.73
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	20	2.71	0.16	2.73
(1,70)	1:375:A:LEU:HD23	1:353:A:PHE:HE1	20	2.71	0.16	2.73
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	20	2.69	0.27	2.71
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	20	2.69	0.27	2.71
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	20	2.69	0.27	2.71
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	20	2.62	0.06	2.63
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD11	20	2.58	0.04	2.58
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD12	20	2.58	0.04	2.58
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD13	20	2.58	0.04	2.58
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD11	20	2.49	0.05	2.48
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD12	20	2.49	0.05	2.48
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD13	20	2.49	0.05	2.48
(1,2058)	1:430:A:LEU:HD22	1:397:A:TYR:HE2	20	2.48	0.19	2.44
(1,2058)	1:430:A:LEU:HD23	1:397:A:TYR:HE2	20	2.48	0.19	2.44
(1,2058)	1:430:A:LEU:HD21	1:397:A:TYR:HE2	20	2.48	0.19	2.44
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	20	2.46	0.1	2.48
(1,3396)	1:403:A:ILE:HD12	1:336:A:LEU:HB2	20	2.45	0.12	2.46
(1,3396)	1:403:A:ILE:HD11	1:336:A:LEU:HB2	20	2.45	0.12	2.46
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD13	20	2.45	0.12	2.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3396)	1:403:A:ILE:HD13	1:336:A:LEU:HB2	20	2.45	0.12	2.46
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD12	20	2.45	0.12	2.46
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD11	20	2.45	0.12	2.46
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB3	20	2.45	0.1	2.46
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB1	20	2.45	0.1	2.46
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB2	20	2.45	0.1	2.46
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	20	2.3	0.13	2.32
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD11	20	2.3	0.13	2.32
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD12	20	2.3	0.13	2.32
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	20	2.29	0.06	2.3
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	20	2.29	0.1	2.32
(1,2987)	1:387:A:TYR:HD1	1:388:A:GLU:HA	20	2.29	0.1	2.32
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	20	2.26	0.13	2.28
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD13	20	2.18	0.1	2.16
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD11	20	2.18	0.1	2.16
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD12	20	2.18	0.1	2.16
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	20	2.15	0.06	2.14
(1,381)	1:337:A:LEU:HD11	1:397:A:TYR:HD1	20	2.15	0.06	2.14
(1,381)	1:337:A:LEU:HD12	1:397:A:TYR:HD1	20	2.15	0.06	2.14
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	20	2.13	0.04	2.13
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	20	2.11	0.06	2.12
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	20	2.1	0.06	2.1
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	20	2.09	0.11	2.1
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	20	2.04	0.06	2.04
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	20	2.03	0.01	2.03
(1,60)	1:375:A:LEU:HD13	1:353:A:PHE:HE1	20	2.01	0.16	2.01
(1,60)	1:375:A:LEU:HD11	1:353:A:PHE:HE1	20	2.01	0.16	2.01
(1,60)	1:375:A:LEU:HD12	1:353:A:PHE:HE1	20	2.01	0.16	2.01
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	20	2.0	0.11	2.02
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD13	20	2.0	0.11	1.99
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD11	20	2.0	0.11	1.99
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD12	20	2.0	0.11	1.99
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	20	1.98	0.13	2.02
(1,1326)	1:395:A:ARG:HB2	1:398:A:TYR:HE1	20	1.98	0.13	2.02
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	20	1.98	0.1	1.98
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	20	1.95	0.22	1.96
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	20	1.94	0.08	1.92
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	20	1.92	0.08	1.93
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	20	1.91	0.08	1.92
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	20	1.91	0.11	1.92
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	20	1.89	0.02	1.89
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	20	1.87	0.01	1.87

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,963)	1:366:A:ILE:HG22	1:387:A:TYR:HE2	20	1.84	0.09	1.82
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	20	1.84	0.09	1.82
(1,963)	1:366:A:ILE:HG21	1:387:A:TYR:HE2	20	1.84	0.09	1.82
(1,2053)	1:430:A:LEU:HD13	1:397:A:TYR:HE2	20	1.83	0.26	1.78
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	20	1.83	0.26	1.78
(1,2053)	1:430:A:LEU:HD12	1:397:A:TYR:HE2	20	1.83	0.26	1.78
(1,3263)	1:372:A:LEU:HD22	1:350:A:TYR:HE1	20	1.8	0.12	1.81
(1,3263)	1:372:A:LEU:HD21	1:350:A:TYR:HE1	20	1.8	0.12	1.81
(1,3263)	1:372:A:LEU:HD23	1:350:A:TYR:HE1	20	1.8	0.12	1.81
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	20	1.74	0.13	1.72
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	20	1.72	0.37	1.64
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	20	1.72	0.26	1.76
(1,3483)	1:415:A:PHE:HD1	1:403:A:ILE:HB	20	1.69	0.62	1.56
(1,3483)	1:415:A:PHE:HD1	1:417:A:LYS:HB3	20	1.69	0.62	1.56
(1,3483)	1:415:A:PHE:HD1	1:402:A:ILE:HG12	20	1.69	0.62	1.56
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	20	1.69	0.13	1.74
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	20	1.68	0.07	1.68
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD11	20	1.65	0.24	1.71
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD13	20	1.65	0.24	1.71
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD12	20	1.65	0.24	1.71
(1,3426)	1:434:A:GLU:HA	1:337:A:LEU:HG	20	1.65	0.24	1.71
(1,3426)	1:434:A:GLU:HA	1:430:A:LEU:HD13	20	1.65	0.24	1.71
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	20	1.63	0.09	1.62
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	20	1.63	0.1	1.66
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	20	1.6	0.07	1.62
(1,1732)	1:411:A:LEU:HD22	1:387:A:TYR:HD1	20	1.6	0.1	1.6
(1,1732)	1:411:A:LEU:HD23	1:387:A:TYR:HD1	20	1.6	0.1	1.6
(1,1732)	1:411:A:LEU:HD21	1:387:A:TYR:HD1	20	1.6	0.1	1.6
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	20	1.59	0.04	1.58
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	20	1.57	0.11	1.6
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	20	1.54	0.03	1.54
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	20	1.54	0.11	1.55
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	20	1.52	0.25	1.42
(1,3065)	1:335:A:ARG:HB3	1:342:A:TYR:HB2	20	1.52	0.25	1.42
(1,962)	1:366:A:ILE:HG22	1:387:A:TYR:HD2	20	1.51	0.09	1.5
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	20	1.51	0.09	1.5
(1,962)	1:366:A:ILE:HG21	1:387:A:TYR:HD2	20	1.51	0.09	1.5
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	20	1.48	0.08	1.49
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD13	20	1.46	0.05	1.47
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD11	20	1.46	0.05	1.47
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD12	20	1.46	0.05	1.47
(1,3260)	1:372:A:LEU:HG	1:337:A:LEU:HD23	20	1.46	0.05	1.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3260)	1:372:A:LEU:HG	1:337:A:LEU:HD22	20	1.46	0.05	1.47
(1,3260)	1:372:A:LEU:HG	1:337:A:LEU:HD21	20	1.46	0.05	1.47
(1,3081)	1:344:A:LEU:HD11	1:350:A:TYR:HE1	20	1.41	0.12	1.4
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	20	1.41	0.12	1.4
(1,3081)	1:344:A:LEU:HD12	1:350:A:TYR:HE1	20	1.41	0.12	1.4
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	20	1.4	0.09	1.42
(1,3012)	1:398:A:TYR:HE1	1:405:A:LYS:HE2	20	1.4	0.09	1.42
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	20	1.4	0.02	1.4
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	20	1.39	0.16	1.42
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD11	20	1.39	0.09	1.39
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD12	20	1.39	0.09	1.39
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD13	20	1.39	0.09	1.39
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	20	1.38	0.16	1.39
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG3	20	1.38	0.16	1.39
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	20	1.38	0.05	1.36
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD23	20	1.35	1.26	0.74
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD22	20	1.35	1.26	0.74
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD21	20	1.35	1.26	0.74
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG22	20	1.33	0.49	1.04
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG21	20	1.33	0.49	1.04
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	20	1.33	0.49	1.04
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	20	1.32	0.11	1.35
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	20	1.31	0.09	1.28
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	20	1.31	0.42	1.38
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB1	20	1.31	0.05	1.31
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB2	20	1.31	0.05	1.31
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB3	20	1.31	0.05	1.31
(1,68)	1:375:A:LEU:HD13	1:344:A:LEU:HD11	20	1.29	0.06	1.28
(1,68)	1:375:A:LEU:HD11	1:344:A:LEU:HD13	20	1.29	0.06	1.28
(1,68)	1:375:A:LEU:HD13	1:344:A:LEU:HD13	20	1.29	0.06	1.28
(1,68)	1:375:A:LEU:HD12	1:344:A:LEU:HD13	20	1.29	0.06	1.28
(1,68)	1:375:A:LEU:HD12	1:344:A:LEU:HD11	20	1.29	0.06	1.28
(1,68)	1:375:A:LEU:HD13	1:344:A:LEU:HD12	20	1.29	0.06	1.28
(1,68)	1:375:A:LEU:HD11	1:344:A:LEU:HD11	20	1.29	0.06	1.28
(1,68)	1:375:A:LEU:HD12	1:344:A:LEU:HD12	20	1.29	0.06	1.28
(1,68)	1:375:A:LEU:HD11	1:344:A:LEU:HD12	20	1.29	0.06	1.28
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	20	1.28	0.1	1.32
(1,3320)	1:366:A:ILE:HD11	1:391:A:SER:HA	20	1.28	0.1	1.32
(1,3320)	1:366:A:ILE:HD12	1:391:A:SER:HA	20	1.28	0.1	1.32
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	20	1.26	0.06	1.28
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	20	1.26	0.13	1.25
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	20	1.25	0.21	1.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	20	1.24	0.12	1.26
(1,3545)	1:400:A:LEU:HD11	1:426:A:ARG:HB2	20	1.23	0.18	1.25
(1,3545)	1:400:A:LEU:HD12	1:426:A:ARG:HB2	20	1.23	0.18	1.25
(1,3545)	1:392:A:ARG:HB3	1:433:A:LEU:HD11	20	1.23	0.18	1.25
(1,3545)	1:400:A:LEU:HD13	1:426:A:ARG:HB2	20	1.23	0.18	1.25
(1,3545)	1:392:A:ARG:HB2	1:433:A:LEU:HD12	20	1.23	0.18	1.25
(1,3545)	1:431:A:GLU:HB2	1:433:A:LEU:HD22	20	1.23	0.18	1.25
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	20	1.2	0.19	1.17
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG22	20	1.2	0.19	1.17
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	20	1.2	0.19	1.17
(1,3204)	1:364:A:PHE:HD2	1:363:A:ILE:HG22	20	1.2	0.19	1.17
(1,3204)	1:364:A:PHE:HD2	1:363:A:ILE:HG21	20	1.2	0.19	1.17
(1,3204)	1:363:A:ILE:HG23	1:409:A:GLN:HE22	20	1.2	0.19	1.17
(1,3150)	1:356:A:TRP:HH2	1:359:A:LYS:HE2	20	1.18	0.08	1.21
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	20	1.18	0.08	1.21
(1,3150)	1:356:A:TRP:HH2	1:359:A:LYS:HE3	20	1.18	0.08	1.21
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	20	1.18	0.03	1.18
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD23	20	1.18	0.09	1.21
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	20	1.18	0.09	1.21
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD21	20	1.18	0.09	1.21
(1,3755)	1:402:A:ILE:H	1:403:A:ILE:HG22	20	1.18	0.09	1.21
(1,3388)	1:402:A:ILE:HG23	1:419:A:PRO:HA	20	1.17	0.09	1.21
(1,3388)	1:338:A:TRP:HA	1:402:A:ILE:HG23	20	1.17	0.09	1.21
(1,3388)	1:402:A:ILE:HG21	1:419:A:PRO:HA	20	1.17	0.09	1.21
(1,3388)	1:402:A:ILE:HG22	1:419:A:PRO:HA	20	1.17	0.09	1.21
(1,3388)	1:338:A:TRP:HA	1:402:A:ILE:HG22	20	1.17	0.09	1.21
(1,1738)	1:411:A:LEU:HD23	1:369:A:PRO:HB2	20	1.16	0.16	1.21
(1,1738)	1:411:A:LEU:HD21	1:369:A:PRO:HB2	20	1.16	0.16	1.21
(1,1738)	1:411:A:LEU:HD22	1:369:A:PRO:HB2	20	1.16	0.16	1.21
(1,3514)	1:418:A:THR:HG23	1:415:A:PHE:HD2	20	1.15	0.1	1.15
(1,3514)	1:418:A:THR:HG22	1:415:A:PHE:HD1	20	1.15	0.1	1.15
(1,3514)	1:418:A:THR:HG21	1:415:A:PHE:HD1	20	1.15	0.1	1.15
(1,3514)	1:418:A:THR:HG23	1:415:A:PHE:HD1	20	1.15	0.1	1.15
(1,3514)	1:418:A:THR:HG21	1:415:A:PHE:HD2	20	1.15	0.1	1.15
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	20	1.15	0.11	1.12
(1,3099)	1:350:A:TYR:HD1	1:349:A:ARG:HB3	20	1.15	0.11	1.12
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	20	1.14	0.11	1.16
(1,441)	1:341:A:VAL:HG11	1:340:A:TYR:HB2	20	1.14	0.05	1.14
(1,441)	1:341:A:VAL:HG13	1:340:A:TYR:HB2	20	1.14	0.05	1.14
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	20	1.14	0.05	1.14
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD23	20	1.13	0.08	1.13
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	20	1.13	0.08	1.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD21	20	1.13	0.08	1.13
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	20	1.13	0.11	1.18
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG22	20	1.12	0.13	1.15
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG23	20	1.12	0.13	1.15
(1,3002)	1:397:A:TYR:HE1	1:402:A:ILE:HG22	20	1.12	0.13	1.15
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG21	20	1.12	0.13	1.15
(1,3002)	1:397:A:TYR:HE1	1:402:A:ILE:HG21	20	1.12	0.13	1.15
(1,3002)	1:397:A:TYR:HE1	1:402:A:ILE:HG23	20	1.12	0.13	1.15
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG11	20	1.1	0.09	1.13
(1,3701)	1:371:A:GLY:H	1:411:A:LEU:HD12	20	1.1	0.09	1.13
(1,3701)	1:371:A:GLY:H	1:411:A:LEU:HD13	20	1.1	0.09	1.13
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG13	20	1.1	0.09	1.13
(1,3701)	1:371:A:GLY:H	1:372:A:LEU:HD13	20	1.1	0.09	1.13
(1,3701)	1:371:A:GLY:H	1:411:A:LEU:HD11	20	1.1	0.09	1.13
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG12	20	1.1	0.09	1.13
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	20	1.1	0.06	1.11
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG22	20	1.08	0.22	1.0
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG21	20	1.08	0.22	1.0
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG23	20	1.08	0.22	1.0
(1,3513)	1:418:A:THR:HG22	1:417:A:LYS:H	20	1.08	0.1	1.1
(1,3513)	1:418:A:THR:HG21	1:417:A:LYS:H	20	1.08	0.1	1.1
(1,3513)	1:418:A:THR:HG23	1:417:A:LYS:H	20	1.08	0.1	1.1
(1,3513)	1:418:A:THR:HG23	1:421:A:GLU:H	20	1.08	0.1	1.1
(1,721)	1:345:A:LEU:HD13	1:356:A:TRP:HZ2	20	1.07	0.02	1.06
(1,721)	1:345:A:LEU:HD11	1:356:A:TRP:HZ2	20	1.07	0.02	1.06
(1,721)	1:345:A:LEU:HD12	1:356:A:TRP:HZ2	20	1.07	0.02	1.06
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG21	20	1.06	0.05	1.05
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG23	20	1.06	0.05	1.05
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG22	20	1.06	0.05	1.05
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	20	1.06	0.09	1.04
(1,3344)	1:394:A:LEU:HD12	1:387:A:TYR:HD1	20	1.05	0.11	1.05
(1,3344)	1:394:A:LEU:HD13	1:387:A:TYR:HD1	20	1.05	0.11	1.05
(1,3344)	1:394:A:LEU:HD11	1:387:A:TYR:HD1	20	1.05	0.11	1.05
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	20	1.04	0.01	1.05
(1,3573)	1:336:A:LEU:HD23	1:397:A:TYR:HE1	20	1.04	0.1	1.05
(1,3573)	1:336:A:LEU:HD21	1:397:A:TYR:HE1	20	1.04	0.1	1.05
(1,3573)	1:336:A:LEU:HD22	1:397:A:TYR:HE1	20	1.04	0.1	1.05
(1,3082)	1:344:A:LEU:HD12	1:345:A:LEU:HA	20	1.03	0.13	1.05
(1,3082)	1:344:A:LEU:HD12	1:337:A:LEU:HA	20	1.03	0.13	1.05
(1,3082)	1:344:A:LEU:HD11	1:345:A:LEU:HA	20	1.03	0.13	1.05
(1,3082)	1:344:A:LEU:HD13	1:337:A:LEU:HA	20	1.03	0.13	1.05
(1,3082)	1:344:A:LEU:HD11	1:337:A:LEU:HA	20	1.03	0.13	1.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	20	1.03	0.07	1.02
(1,2201)	1:337:A:LEU:HD13	1:376:A:TRP:HH2	20	1.03	0.07	1.02
(1,2201)	1:337:A:LEU:HD11	1:376:A:TRP:HH2	20	1.03	0.07	1.02
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD23	20	1.02	0.09	1.0
(1,3119)	1:354:A:ILE:HG22	1:375:A:LEU:HD21	20	1.02	0.09	1.0
(1,3119)	1:354:A:ILE:HG21	1:375:A:LEU:HD22	20	1.02	0.09	1.0
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD22	20	1.02	0.09	1.0
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD21	20	1.02	0.09	1.0
(1,3119)	1:354:A:ILE:HG21	1:375:A:LEU:HD21	20	1.02	0.09	1.0
(1,3119)	1:354:A:ILE:HG21	1:375:A:LEU:HD23	20	1.02	0.09	1.0
(1,3119)	1:354:A:ILE:HG22	1:375:A:LEU:HD22	20	1.02	0.09	1.0
(1,3395)	1:403:A:ILE:HD13	1:415:A:PHE:HB2	20	1.02	0.07	1.0
(1,3395)	1:403:A:ILE:HD12	1:415:A:PHE:HB2	20	1.02	0.07	1.0
(1,3395)	1:403:A:ILE:HD11	1:415:A:PHE:HB2	20	1.02	0.07	1.0
(1,2214)	1:341:A:VAL:HG13	1:403:A:ILE:HD12	20	1.01	0.04	1.02
(1,2214)	1:341:A:VAL:HG12	1:403:A:ILE:HD11	20	1.01	0.04	1.02
(1,2214)	1:341:A:VAL:HG12	1:403:A:ILE:HD13	20	1.01	0.04	1.02
(1,2214)	1:341:A:VAL:HG13	1:403:A:ILE:HD11	20	1.01	0.04	1.02
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD11	20	1.01	0.04	1.02
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD13	20	1.01	0.04	1.02
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD12	20	1.01	0.04	1.02
(1,2214)	1:341:A:VAL:HG12	1:403:A:ILE:HD12	20	1.01	0.04	1.02
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	20	0.99	0.04	0.99
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG21	20	0.99	0.04	0.99
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG22	20	0.99	0.04	0.99
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	20	0.98	0.62	1.26
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD21	20	0.97	0.06	0.96
(1,651)	1:354:A:ILE:HG23	1:345:A:LEU:HD21	20	0.97	0.06	0.96
(1,651)	1:354:A:ILE:HG22	1:345:A:LEU:HD21	20	0.97	0.06	0.96
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD22	20	0.97	0.06	0.96
(1,651)	1:354:A:ILE:HG23	1:345:A:LEU:HD23	20	0.97	0.06	0.96
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD23	20	0.97	0.06	0.96
(1,651)	1:354:A:ILE:HG22	1:345:A:LEU:HD23	20	0.97	0.06	0.96
(1,651)	1:354:A:ILE:HG23	1:345:A:LEU:HD22	20	0.97	0.06	0.96
(1,651)	1:354:A:ILE:HG22	1:345:A:LEU:HD22	20	0.97	0.06	0.96
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG21	20	0.97	0.25	1.07
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG22	20	0.97	0.25	1.07
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG21	20	0.97	0.25	1.07
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG22	20	0.97	0.25	1.07
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG23	20	0.97	0.25	1.07
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG23	20	0.97	0.25	1.07
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	20	0.96	0.17	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2980)	1:350:A:TYR:HE2	1:351:A:GLU:H	20	0.96	0.17	0.94
(1,3477)	1:403:A:ILE:HB	1:415:A:PHE:HE2	20	0.95	0.16	0.92
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	20	0.95	0.16	0.92
(1,3477)	1:415:A:PHE:HE1	1:419:A:PRO:HG2	20	0.95	0.16	0.92
(1,3477)	1:403:A:ILE:HB	1:415:A:PHE:HE1	20	0.95	0.16	0.92
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD2	20	0.94	0.11	0.95
(1,3399)	1:403:A:ILE:HD12	1:413:A:PHE:HD2	20	0.94	0.11	0.95
(1,3399)	1:403:A:ILE:HD13	1:413:A:PHE:HD2	20	0.94	0.11	0.95
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD1	20	0.94	0.11	0.95
(1,3444)	1:411:A:LEU:HD21	1:412:A:LEU:HA	20	0.94	0.03	0.94
(1,3444)	1:411:A:LEU:HD23	1:412:A:LEU:HA	20	0.94	0.03	0.94
(1,3444)	1:411:A:LEU:HD22	1:412:A:LEU:HA	20	0.94	0.03	0.94
(1,389)	1:337:A:LEU:HD23	1:393:A:ALA:HB2	20	0.92	0.14	0.93
(1,389)	1:337:A:LEU:HD21	1:393:A:ALA:HB3	20	0.92	0.14	0.93
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB1	20	0.92	0.14	0.93
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB2	20	0.92	0.14	0.93
(1,389)	1:337:A:LEU:HD23	1:393:A:ALA:HB3	20	0.92	0.14	0.93
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB3	20	0.92	0.14	0.93
(1,389)	1:337:A:LEU:HD21	1:393:A:ALA:HB1	20	0.92	0.14	0.93
(1,1731)	1:411:A:LEU:HD22	1:387:A:TYR:HE1	20	0.92	0.08	0.92
(1,1731)	1:411:A:LEU:HD23	1:387:A:TYR:HE1	20	0.92	0.08	0.92
(1,1731)	1:411:A:LEU:HD21	1:387:A:TYR:HE1	20	0.92	0.08	0.92
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	20	0.92	0.18	0.95
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD22	20	0.92	0.48	0.71
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD21	20	0.92	0.48	0.71
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD23	20	0.92	0.48	0.71
(1,3256)	1:372:A:LEU:HB3	1:372:A:LEU:HD22	20	0.91	0.04	0.92
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG23	20	0.91	0.04	0.92
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG21	20	0.91	0.04	0.92
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG22	20	0.91	0.04	0.92
(1,3256)	1:372:A:LEU:HB3	1:372:A:LEU:HD21	20	0.91	0.04	0.92
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD13	20	0.91	0.06	0.92
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD11	20	0.91	0.06	0.92
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD12	20	0.91	0.06	0.92
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB1	20	0.91	0.12	0.93
(1,2924)	1:396:A:HIS:HD2	1:400:A:LEU:HB3	20	0.91	0.12	0.93
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB2	20	0.91	0.12	0.93
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB3	20	0.91	0.12	0.93
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	20	0.89	0.01	0.88
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG21	20	0.88	0.15	0.85
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG23	20	0.88	0.15	0.85
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG22	20	0.88	0.15	0.85

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	20	0.88	0.17	0.88
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HB	20	0.88	0.17	0.88
(1,69)	1:375:A:LEU:HD12	1:344:A:LEU:HD23	20	0.88	0.1	0.9
(1,69)	1:375:A:LEU:HD13	1:344:A:LEU:HD22	20	0.88	0.1	0.9
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD22	20	0.88	0.1	0.9
(1,69)	1:375:A:LEU:HD13	1:344:A:LEU:HD21	20	0.88	0.1	0.9
(1,69)	1:375:A:LEU:HD12	1:344:A:LEU:HD21	20	0.88	0.1	0.9
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD23	20	0.88	0.1	0.9
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD21	20	0.88	0.1	0.9
(1,69)	1:375:A:LEU:HD12	1:344:A:LEU:HD22	20	0.88	0.1	0.9
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG23	20	0.87	0.06	0.89
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG22	20	0.87	0.06	0.89
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG21	20	0.87	0.06	0.89
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD21	20	0.87	0.13	0.91
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD23	20	0.87	0.13	0.91
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD22	20	0.87	0.13	0.91
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	20	0.87	0.03	0.87
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	20	0.87	0.24	0.94
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD11	20	0.87	0.24	0.94
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	20	0.87	0.24	0.94
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD12	20	0.87	0.24	0.94
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG13	20	0.87	0.24	0.94
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD13	20	0.87	0.24	0.94
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	20	0.86	0.03	0.86
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	20	0.86	0.27	0.85
(1,3016)	1:413:A:PHE:HD2	1:412:A:LEU:HB2	20	0.86	0.27	0.85
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	20	0.86	0.15	0.84
(1,3101)	1:350:A:TYR:HE1	1:349:A:ARG:HB3	20	0.86	0.15	0.84
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD12	20	0.86	0.04	0.86
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD11	20	0.86	0.04	0.86
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD13	20	0.86	0.04	0.86
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	20	0.85	0.16	0.96
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	20	0.85	0.04	0.85
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	20	0.85	0.04	0.85
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	20	0.85	0.04	0.85
(1,3512)	1:427:A:THR:HG22	1:430:A:LEU:H	20	0.85	0.14	0.89
(1,3512)	1:427:A:THR:HG23	1:430:A:LEU:H	20	0.85	0.14	0.89
(1,3512)	1:427:A:THR:HG21	1:430:A:LEU:H	20	0.85	0.14	0.89
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	20	0.84	0.01	0.84
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	20	0.84	0.01	0.84
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	20	0.84	0.01	0.84
(1,3452)	1:412:A:LEU:HD22	1:409:A:GLN:HA	20	0.84	0.11	0.85

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3452)	1:412:A:LEU:HD21	1:409:A:GLN:HA	20	0.84	0.11	0.85
(1,3452)	1:412:A:LEU:HD23	1:409:A:GLN:HA	20	0.84	0.11	0.85
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	20	0.83	0.04	0.84
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	20	0.83	0.04	0.84
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	20	0.83	0.04	0.84
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	20	0.83	0.04	0.83
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	20	0.82	0.11	0.8
(1,3510)	1:418:A:THR:HA	1:419:A:PRO:HG2	20	0.82	0.11	0.8
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	20	0.82	0.07	0.83
(1,1413)	1:394:A:LEU:HD21	1:337:A:LEU:HD23	20	0.81	0.04	0.81
(1,1413)	1:394:A:LEU:HD22	1:337:A:LEU:HD22	20	0.81	0.04	0.81
(1,1413)	1:394:A:LEU:HD22	1:337:A:LEU:HD21	20	0.81	0.04	0.81
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD21	20	0.81	0.04	0.81
(1,1413)	1:394:A:LEU:HD21	1:337:A:LEU:HD22	20	0.81	0.04	0.81
(1,1413)	1:394:A:LEU:HD21	1:337:A:LEU:HD21	20	0.81	0.04	0.81
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD23	20	0.81	0.04	0.81
(1,1413)	1:394:A:LEU:HD22	1:337:A:LEU:HD23	20	0.81	0.04	0.81
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD22	20	0.81	0.04	0.81
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG23	20	0.81	0.11	0.76
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG21	20	0.81	0.11	0.76
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG23	20	0.81	0.11	0.76
(1,2254)	1:427:A:THR:HG23	1:402:A:ILE:HG21	20	0.81	0.11	0.76
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG22	20	0.81	0.11	0.76
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG21	20	0.81	0.11	0.76
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG22	20	0.81	0.11	0.76
(1,2254)	1:427:A:THR:HG23	1:402:A:ILE:HG22	20	0.81	0.11	0.76
(1,3555)	1:430:A:LEU:HD13	1:338:A:TRP:HB3	20	0.81	0.4	0.8
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	20	0.81	0.4	0.8
(1,3555)	1:430:A:LEU:HD12	1:338:A:TRP:HB3	20	0.81	0.4	0.8
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	20	0.8	0.11	0.8
(1,970)	1:366:A:ILE:HG22	1:369:A:PRO:HB2	20	0.8	0.04	0.8
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	20	0.8	0.04	0.8
(1,970)	1:366:A:ILE:HG21	1:369:A:PRO:HB2	20	0.8	0.04	0.8
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	20	0.8	0.19	0.88
(1,3594)	1:393:A:ALA:HB2	1:376:A:TRP:HH2	20	0.8	0.19	0.88
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	20	0.8	0.03	0.8
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD13	20	0.79	0.19	0.76
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD12	20	0.79	0.19	0.76
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD11	20	0.79	0.19	0.76
(1,3120)	1:354:A:ILE:HD12	1:346:A:SER:H	20	0.79	0.19	0.76
(1,3120)	1:354:A:ILE:HD11	1:346:A:SER:H	20	0.79	0.19	0.76
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	20	0.79	0.17	0.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3184)	1:424:A:SER:HB2	1:426:A:ARG:HG3	20	0.79	0.17	0.8
(1,3184)	1:424:A:SER:HB3	1:426:A:ARG:HG3	20	0.79	0.17	0.8
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG22	20	0.78	0.1	0.81
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG23	20	0.78	0.1	0.81
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG21	20	0.78	0.1	0.81
(1,2234)	1:372:A:LEU:HD12	1:366:A:ILE:HD11	20	0.78	0.06	0.76
(1,2234)	1:372:A:LEU:HD13	1:366:A:ILE:HD12	20	0.78	0.06	0.76
(1,2234)	1:372:A:LEU:HD13	1:366:A:ILE:HD11	20	0.78	0.06	0.76
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD12	20	0.78	0.06	0.76
(1,2234)	1:372:A:LEU:HD12	1:366:A:ILE:HD13	20	0.78	0.06	0.76
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD13	20	0.78	0.06	0.76
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD11	20	0.78	0.06	0.76
(1,2234)	1:372:A:LEU:HD13	1:366:A:ILE:HD13	20	0.78	0.06	0.76
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	20	0.77	0.06	0.78
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	20	0.77	0.07	0.78
(1,3115)	1:354:A:ILE:HG23	1:344:A:LEU:H	20	0.77	0.07	0.78
(1,3115)	1:354:A:ILE:HG22	1:344:A:LEU:H	20	0.77	0.07	0.78
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD12	20	0.77	0.01	0.76
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD13	20	0.77	0.01	0.76
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD11	20	0.77	0.01	0.76
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	20	0.76	0.06	0.76
(1,1560)	1:403:A:ILE:HG23	1:397:A:TYR:HB3	20	0.76	0.06	0.76
(1,1560)	1:403:A:ILE:HG21	1:397:A:TYR:HB3	20	0.76	0.06	0.76
(1,3571)	1:336:A:LEU:HD23	1:376:A:TRP:HZ2	20	0.75	0.28	0.74
(1,3571)	1:336:A:LEU:HD21	1:376:A:TRP:HZ2	20	0.75	0.28	0.74
(1,3571)	1:336:A:LEU:HD22	1:376:A:TRP:HZ2	20	0.75	0.28	0.74
(1,3571)	1:336:A:LEU:HD22	1:338:A:TRP:H	20	0.75	0.28	0.74
(1,3473)	1:415:A:PHE:HZ	1:419:A:PRO:HD3	20	0.75	0.03	0.76
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	20	0.75	0.03	0.76
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	20	0.75	0.43	1.08
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	20	0.75	0.07	0.75
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	20	0.75	0.07	0.75
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	20	0.75	0.07	0.75
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	20	0.74	0.44	0.53
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	20	0.74	0.06	0.74
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	20	0.73	0.23	0.85
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD13	20	0.73	0.07	0.75
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD12	20	0.73	0.07	0.75
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD11	20	0.73	0.07	0.75
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	20	0.72	0.08	0.74
(1,3237)	1:366:A:ILE:HG21	1:368:A:ASP:HA	20	0.72	0.03	0.72
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	20	0.72	0.03	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3237)	1:366:A:ILE:HG23	1:368:A:ASP:HA	20	0.72	0.03	0.72
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	20	0.72	0.07	0.73
(1,3124)	1:354:A:ILE:HD12	1:372:A:LEU:HB2	20	0.72	0.05	0.73
(1,3124)	1:354:A:ILE:HD11	1:372:A:LEU:HB2	20	0.72	0.05	0.73
(1,3124)	1:354:A:ILE:HD13	1:372:A:LEU:HB2	20	0.72	0.05	0.73
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	20	0.72	0.04	0.72
(1,3392)	1:403:A:ILE:HG22	1:404:A:ARG:HB3	20	0.72	0.04	0.72
(1,3392)	1:403:A:ILE:HG23	1:404:A:ARG:HB3	20	0.72	0.04	0.72
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	20	0.72	0.02	0.72
(1,2863)	1:354:A:ILE:HG22	1:367:A:VAL:H	20	0.72	0.02	0.72
(1,2863)	1:354:A:ILE:HG21	1:367:A:VAL:H	20	0.72	0.02	0.72
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	20	0.71	0.11	0.74
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD3	20	0.71	0.11	0.74
(1,2892)	1:430:A:LEU:HD11	1:431:A:GLU:H	20	0.71	0.11	0.7
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	20	0.71	0.11	0.7
(1,2892)	1:430:A:LEU:HD13	1:431:A:GLU:H	20	0.71	0.11	0.7
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB3	20	0.7	0.05	0.71
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB1	20	0.7	0.05	0.71
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB2	20	0.7	0.05	0.71
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD23	20	0.7	0.74	0.54
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD21	20	0.7	0.74	0.54
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD22	20	0.7	0.74	0.54
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	20	0.7	0.14	0.72
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG21	20	0.69	0.03	0.69
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	20	0.69	0.03	0.69
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG23	20	0.69	0.03	0.69
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	20	0.69	0.02	0.69
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD23	20	0.69	0.08	0.67
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD22	20	0.69	0.08	0.67
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD22	20	0.69	0.08	0.67
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD21	20	0.69	0.08	0.67
(1,1105)	1:372:A:LEU:HD23	1:344:A:LEU:HD21	20	0.69	0.08	0.67
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD21	20	0.69	0.08	0.67
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD23	20	0.69	0.08	0.67
(1,1105)	1:372:A:LEU:HD23	1:344:A:LEU:HD23	20	0.69	0.08	0.67
(1,2226)	1:341:A:VAL:HG13	1:366:A:ILE:HD13	20	0.69	0.03	0.69
(1,2226)	1:341:A:VAL:HG12	1:366:A:ILE:HD11	20	0.69	0.03	0.69
(1,2226)	1:341:A:VAL:HG12	1:366:A:ILE:HD13	20	0.69	0.03	0.69
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD11	20	0.69	0.03	0.69
(1,2226)	1:341:A:VAL:HG13	1:366:A:ILE:HD11	20	0.69	0.03	0.69
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD13	20	0.69	0.03	0.69
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD12	20	0.69	0.03	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2226)	1:341:A:VAL:HG12	1:366:A:ILE:HD12	20	0.69	0.03	0.69
(1,3591)	1:394:A:LEU:HD23	1:413:A:PHE:HE2	20	0.69	0.07	0.66
(1,3591)	1:394:A:LEU:HD21	1:413:A:PHE:HE2	20	0.69	0.07	0.66
(1,3591)	1:394:A:LEU:HD22	1:413:A:PHE:HE2	20	0.69	0.07	0.66
(1,3591)	1:394:A:LEU:HD23	1:413:A:PHE:HE1	20	0.69	0.07	0.66
(1,3591)	1:394:A:LEU:HD22	1:413:A:PHE:HE1	20	0.69	0.07	0.66
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	20	0.68	0.71	0.36
(1,3522)	1:364:A:PHE:HD1	1:372:A:LEU:HG	20	0.68	0.71	0.36
(1,3118)	1:354:A:ILE:HG23	1:372:A:LEU:HB2	20	0.68	0.07	0.71
(1,3118)	1:354:A:ILE:HG21	1:355:A:ARG:HB3	20	0.68	0.07	0.71
(1,3118)	1:354:A:ILE:HG23	1:355:A:ARG:HB3	20	0.68	0.07	0.71
(1,3118)	1:354:A:ILE:HG22	1:355:A:ARG:HB3	20	0.68	0.07	0.71
(1,3118)	1:354:A:ILE:HG21	1:372:A:LEU:HB2	20	0.68	0.07	0.71
(1,3548)	1:418:A:THR:HG23	1:362:A:LYS:HA	20	0.68	0.15	0.66
(1,3548)	1:418:A:THR:HG22	1:362:A:LYS:HA	20	0.68	0.15	0.66
(1,3548)	1:418:A:THR:HG21	1:362:A:LYS:HA	20	0.68	0.15	0.66
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD13	20	0.68	0.13	0.68
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD11	20	0.68	0.13	0.68
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD12	20	0.68	0.13	0.68
(1,3122)	1:354:A:ILE:HD11	1:342:A:TYR:HA	20	0.68	0.05	0.68
(1,3122)	1:354:A:ILE:HD13	1:342:A:TYR:HA	20	0.68	0.05	0.68
(1,3122)	1:354:A:ILE:HD12	1:342:A:TYR:HA	20	0.68	0.05	0.68
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB2	20	0.67	0.05	0.68
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB3	20	0.67	0.05	0.68
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB1	20	0.67	0.05	0.68
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG11	20	0.67	0.08	0.7
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG13	20	0.67	0.08	0.7
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	20	0.67	0.08	0.7
(1,2221)	1:344:A:LEU:HD23	1:354:A:ILE:HG23	20	0.67	0.08	0.66
(1,2221)	1:344:A:LEU:HD22	1:354:A:ILE:HG22	20	0.67	0.08	0.66
(1,2221)	1:344:A:LEU:HD22	1:354:A:ILE:HG21	20	0.67	0.08	0.66
(1,2221)	1:344:A:LEU:HD21	1:354:A:ILE:HG23	20	0.67	0.08	0.66
(1,2221)	1:344:A:LEU:HD21	1:354:A:ILE:HG22	20	0.67	0.08	0.66
(1,2221)	1:344:A:LEU:HD23	1:354:A:ILE:HG21	20	0.67	0.08	0.66
(1,2221)	1:344:A:LEU:HD23	1:354:A:ILE:HG22	20	0.67	0.08	0.66
(1,2221)	1:344:A:LEU:HD21	1:354:A:ILE:HG21	20	0.67	0.08	0.66
(1,2221)	1:344:A:LEU:HD22	1:354:A:ILE:HG23	20	0.67	0.08	0.66
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE2	20	0.67	0.09	0.65
(1,3369)	1:349:A:ARG:HD3	1:349:A:ARG:HA	20	0.67	0.09	0.65
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE3	20	0.67	0.09	0.65
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG21	20	0.67	0.11	0.65
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG23	20	0.67	0.11	0.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG22	20	0.67	0.11	0.65
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD13	20	0.66	0.09	0.67
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD11	20	0.66	0.09	0.67
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD12	20	0.66	0.09	0.67
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG21	20	0.66	0.02	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG22	20	0.66	0.02	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG23	20	0.66	0.02	0.68
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD13	20	0.66	0.05	0.65
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD11	20	0.66	0.05	0.65
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD12	20	0.66	0.05	0.65
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	20	0.66	0.01	0.66
(1,2250)	1:363:A:ILE:HG21	1:412:A:LEU:HD21	20	0.66	0.1	0.64
(1,2250)	1:363:A:ILE:HG21	1:412:A:LEU:HD23	20	0.66	0.1	0.64
(1,2250)	1:363:A:ILE:HG23	1:412:A:LEU:HD22	20	0.66	0.1	0.64
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD22	20	0.66	0.1	0.64
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD21	20	0.66	0.1	0.64
(1,2250)	1:363:A:ILE:HG21	1:412:A:LEU:HD22	20	0.66	0.1	0.64
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD23	20	0.66	0.1	0.64
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	20	0.65	0.01	0.65
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD11	20	0.65	0.06	0.66
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	20	0.65	0.06	0.66
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD13	20	0.65	0.06	0.66
(1,1118)	1:373:A:ALA:HB2	1:372:A:LEU:H	20	0.65	0.04	0.64
(1,1118)	1:373:A:ALA:HB3	1:372:A:LEU:H	20	0.65	0.04	0.64
(1,1118)	1:373:A:ALA:HB1	1:372:A:LEU:H	20	0.65	0.04	0.64
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	20	0.65	0.0	0.65
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	20	0.65	0.02	0.66
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB3	20	0.65	0.02	0.66
(1,1272)	1:383:A:THR:HG23	1:384:A:ASN:HB2	20	0.65	0.25	0.78
(1,1272)	1:383:A:THR:HG22	1:384:A:ASN:HB2	20	0.65	0.25	0.78
(1,1272)	1:383:A:THR:HG21	1:384:A:ASN:HB2	20	0.65	0.25	0.78
(1,3442)	1:411:A:LEU:HD13	1:413:A:PHE:HE1	20	0.65	0.4	0.53
(1,3442)	1:411:A:LEU:HD12	1:413:A:PHE:HE1	20	0.65	0.4	0.53
(1,3442)	1:411:A:LEU:HD11	1:413:A:PHE:HE1	20	0.65	0.4	0.53
(1,3442)	1:413:A:PHE:HZ	1:411:A:LEU:HD13	20	0.65	0.4	0.53
(1,3442)	1:413:A:PHE:HZ	1:411:A:LEU:HD11	20	0.65	0.4	0.53
(1,2232)	1:372:A:LEU:HD11	1:375:A:LEU:HD23	20	0.65	0.07	0.66
(1,2232)	1:372:A:LEU:HD12	1:375:A:LEU:HD22	20	0.65	0.07	0.66
(1,2232)	1:372:A:LEU:HD12	1:375:A:LEU:HD23	20	0.65	0.07	0.66
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD21	20	0.65	0.07	0.66
(1,2232)	1:372:A:LEU:HD11	1:375:A:LEU:HD22	20	0.65	0.07	0.66
(1,2232)	1:372:A:LEU:HD11	1:375:A:LEU:HD21	20	0.65	0.07	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD22	20	0.65	0.07	0.66
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD23	20	0.65	0.07	0.66
(1,2232)	1:372:A:LEU:HD12	1:375:A:LEU:HD21	20	0.65	0.07	0.66
(1,1292)	1:386:A:THR:HG23	1:384:A:ASN:HB3	20	0.64	0.16	0.6
(1,1292)	1:386:A:THR:HG21	1:384:A:ASN:HB3	20	0.64	0.16	0.6
(1,1292)	1:386:A:THR:HG22	1:384:A:ASN:HB3	20	0.64	0.16	0.6
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	20	0.64	0.11	0.66
(1,994)	1:367:A:VAL:HG11	1:368:A:ASP:HB3	20	0.64	0.15	0.66
(1,994)	1:367:A:VAL:HG12	1:368:A:ASP:HB3	20	0.64	0.15	0.66
(1,994)	1:367:A:VAL:HG13	1:368:A:ASP:HB3	20	0.64	0.15	0.66
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	20	0.63	0.14	0.64
(1,3066)	1:338:A:TRP:HA	1:341:A:VAL:HB	20	0.63	0.14	0.64
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	20	0.63	0.03	0.64
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG22	20	0.63	0.03	0.64
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG23	20	0.63	0.03	0.64
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	20	0.63	0.14	0.65
(1,3252)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	20	0.63	0.14	0.65
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	20	0.63	0.1	0.62
(1,3071)	1:341:A:VAL:HG22	1:345:A:LEU:H	20	0.63	0.05	0.62
(1,3071)	1:341:A:VAL:HG21	1:345:A:LEU:H	20	0.63	0.05	0.62
(1,3071)	1:341:A:VAL:HG23	1:345:A:LEU:H	20	0.63	0.05	0.62
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	20	0.63	0.1	0.65
(1,444)	1:341:A:VAL:HG13	1:345:A:LEU:HD21	20	0.63	0.06	0.61
(1,444)	1:341:A:VAL:HG12	1:345:A:LEU:HD21	20	0.63	0.06	0.61
(1,444)	1:341:A:VAL:HG13	1:345:A:LEU:HD22	20	0.63	0.06	0.61
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD23	20	0.63	0.06	0.61
(1,444)	1:341:A:VAL:HG13	1:345:A:LEU:HD23	20	0.63	0.06	0.61
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD21	20	0.63	0.06	0.61
(1,444)	1:341:A:VAL:HG12	1:345:A:LEU:HD22	20	0.63	0.06	0.61
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD22	20	0.63	0.06	0.61
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	20	0.62	0.09	0.64
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD12	20	0.62	0.04	0.62
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD13	20	0.62	0.04	0.62
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD12	20	0.62	0.04	0.62
(1,2253)	1:402:A:ILE:HD12	1:422:A:ILE:HD13	20	0.62	0.04	0.62
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD11	20	0.62	0.04	0.62
(1,2253)	1:402:A:ILE:HD12	1:422:A:ILE:HD11	20	0.62	0.04	0.62
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD13	20	0.62	0.04	0.62
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD11	20	0.62	0.04	0.62
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	20	0.62	0.16	0.58
(1,3293)	1:382:A:ARG:HG2	1:378:A:ASN:H	20	0.62	0.16	0.58
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD12	20	0.62	0.04	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD13	20	0.62	0.04	0.62
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD11	20	0.62	0.04	0.62
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	20	0.62	0.07	0.63
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD13	20	0.61	0.03	0.62
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD12	20	0.61	0.03	0.62
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD11	20	0.61	0.03	0.62
(1,1878)	1:418:A:THR:HG23	1:415:A:PHE:HB2	20	0.61	0.11	0.6
(1,1878)	1:418:A:THR:HG22	1:415:A:PHE:HB2	20	0.61	0.11	0.6
(1,1878)	1:418:A:THR:HG21	1:415:A:PHE:HB2	20	0.61	0.11	0.6
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	20	0.61	0.06	0.62
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	20	0.61	0.19	0.67
(1,3296)	1:384:A:ASN:HB2	1:385:A:MET:HB3	20	0.61	0.19	0.67
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	20	0.6	0.02	0.6
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	20	0.6	0.02	0.6
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	20	0.6	0.02	0.6
(1,974)	1:366:A:ILE:HD12	1:365:A:ARG:HA	20	0.6	0.06	0.61
(1,974)	1:366:A:ILE:HD13	1:365:A:ARG:HA	20	0.6	0.06	0.61
(1,974)	1:366:A:ILE:HD11	1:365:A:ARG:HA	20	0.6	0.06	0.61
(1,2216)	1:341:A:VAL:HG22	1:345:A:LEU:HD13	20	0.6	0.06	0.6
(1,2216)	1:341:A:VAL:HG21	1:345:A:LEU:HD11	20	0.6	0.06	0.6
(1,2216)	1:341:A:VAL:HG21	1:345:A:LEU:HD12	20	0.6	0.06	0.6
(1,2216)	1:341:A:VAL:HG22	1:345:A:LEU:HD12	20	0.6	0.06	0.6
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD11	20	0.6	0.06	0.6
(1,2216)	1:341:A:VAL:HG22	1:345:A:LEU:HD11	20	0.6	0.06	0.6
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD12	20	0.6	0.06	0.6
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD13	20	0.6	0.06	0.6
(1,2216)	1:341:A:VAL:HG21	1:345:A:LEU:HD13	20	0.6	0.06	0.6
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	20	0.6	0.12	0.64
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD12	20	0.59	0.04	0.58
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD13	20	0.59	0.04	0.58
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD11	20	0.59	0.04	0.58
(1,3125)	1:354:A:ILE:HD12	1:372:A:LEU:HD13	20	0.59	0.05	0.59
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD11	20	0.59	0.05	0.59
(1,3125)	1:354:A:ILE:HD12	1:372:A:LEU:HD11	20	0.59	0.05	0.59
(1,3125)	1:354:A:ILE:HD13	1:372:A:LEU:HD11	20	0.59	0.05	0.59
(1,3125)	1:354:A:ILE:HD12	1:372:A:LEU:HD12	20	0.59	0.05	0.59
(1,3125)	1:354:A:ILE:HD13	1:372:A:LEU:HD13	20	0.59	0.05	0.59
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD13	20	0.59	0.05	0.59
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD12	20	0.59	0.05	0.59
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	20	0.59	0.03	0.6
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD11	20	0.59	0.03	0.6
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD12	20	0.59	0.03	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2217)	1:354:A:ILE:HD12	1:366:A:ILE:HD13	20	0.59	0.04	0.58
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD11	20	0.59	0.04	0.58
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD13	20	0.59	0.04	0.58
(1,2217)	1:354:A:ILE:HD13	1:366:A:ILE:HD11	20	0.59	0.04	0.58
(1,2217)	1:354:A:ILE:HD12	1:366:A:ILE:HD11	20	0.59	0.04	0.58
(1,2217)	1:354:A:ILE:HD13	1:366:A:ILE:HD13	20	0.59	0.04	0.58
(1,2217)	1:354:A:ILE:HD13	1:366:A:ILE:HD12	20	0.59	0.04	0.58
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD12	20	0.59	0.04	0.58
(1,2217)	1:354:A:ILE:HD12	1:366:A:ILE:HD12	20	0.59	0.04	0.58
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	20	0.58	0.21	0.49
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG2	20	0.58	0.21	0.49
(1,1523)	1:402:A:ILE:HD11	1:397:A:TYR:HB2	20	0.58	0.05	0.59
(1,1523)	1:402:A:ILE:HD12	1:397:A:TYR:HB2	20	0.58	0.05	0.59
(1,1523)	1:402:A:ILE:HD13	1:397:A:TYR:HB2	20	0.58	0.05	0.59
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD23	20	0.58	0.03	0.59
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD21	20	0.58	0.03	0.59
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD22	20	0.58	0.03	0.59
(1,1204)	1:394:A:LEU:HD23	1:394:A:LEU:HB2	20	0.58	0.01	0.58
(1,1204)	1:394:A:LEU:HD21	1:394:A:LEU:HB2	20	0.58	0.01	0.58
(1,1204)	1:394:A:LEU:HD22	1:394:A:LEU:HB2	20	0.58	0.01	0.58
(1,1370)	1:391:A:SER:HB3	1:390:A:MET:HB2	20	0.57	0.08	0.58
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	20	0.57	0.08	0.58
(1,3476)	1:415:A:PHE:HE1	1:403:A:ILE:HG23	20	0.57	0.13	0.56
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG23	20	0.57	0.13	0.56
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG21	20	0.57	0.13	0.56
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG22	20	0.57	0.13	0.56
(1,3476)	1:415:A:PHE:HE1	1:403:A:ILE:HG22	20	0.57	0.13	0.56
(1,3476)	1:415:A:PHE:HE1	1:403:A:ILE:HG21	20	0.57	0.13	0.56
(1,3515)	1:427:A:THR:HG21	1:338:A:TRP:HZ3	20	0.57	0.11	0.56
(1,3515)	1:427:A:THR:HG22	1:338:A:TRP:HZ3	20	0.57	0.11	0.56
(1,3515)	1:427:A:THR:HG23	1:338:A:TRP:HZ3	20	0.57	0.11	0.56
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG21	20	0.57	0.04	0.57
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG23	20	0.57	0.04	0.57
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG22	20	0.57	0.04	0.57
(1,2220)	1:341:A:VAL:HG12	1:354:A:ILE:HD12	20	0.57	0.03	0.56
(1,2220)	1:341:A:VAL:HG11	1:354:A:ILE:HD11	20	0.57	0.03	0.56
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD13	20	0.57	0.03	0.56
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD12	20	0.57	0.03	0.56
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD11	20	0.57	0.03	0.56
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD11	20	0.57	0.11	0.59
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD12	20	0.57	0.11	0.59
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD13	20	0.57	0.11	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	20	0.56	0.12	0.53
(1,3038)	1:337:A:LEU:HD11	1:397:A:TYR:HB2	20	0.56	0.12	0.53
(1,3038)	1:337:A:LEU:HD12	1:397:A:TYR:HB2	20	0.56	0.12	0.53
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	20	0.56	0.02	0.56
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	20	0.56	0.02	0.56
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	20	0.56	0.02	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD1	20	0.56	0.0	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	20	0.56	0.0	0.56
(1,3400)	1:403:A:ILE:HD13	1:416:A:MET:H	20	0.56	0.05	0.55
(1,3400)	1:403:A:ILE:HD12	1:416:A:MET:H	20	0.56	0.05	0.55
(1,3400)	1:403:A:ILE:HD11	1:416:A:MET:H	20	0.56	0.05	0.55
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG21	20	0.56	0.06	0.56
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG22	20	0.56	0.06	0.56
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG23	20	0.56	0.06	0.56
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	20	0.56	0.02	0.55
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG22	20	0.55	0.09	0.58
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG23	20	0.55	0.09	0.58
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG21	20	0.55	0.09	0.58
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	20	0.55	0.15	0.51
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD2	20	0.55	0.17	0.62
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	20	0.55	0.17	0.62
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD12	20	0.55	0.03	0.56
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD11	20	0.55	0.03	0.56
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD13	20	0.55	0.03	0.56
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	20	0.55	0.14	0.53
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	20	0.55	0.04	0.56
(1,3373)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	20	0.55	0.09	0.57
(1,3373)	1:399:A:LYS:HE2	1:400:A:LEU:HG	20	0.55	0.09	0.57
(1,3373)	1:399:A:LYS:HE3	1:400:A:LEU:HG	20	0.55	0.09	0.57
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG12	20	0.55	0.03	0.55
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG13	20	0.55	0.03	0.55
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG11	20	0.55	0.03	0.55
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	20	0.55	0.02	0.54
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	20	0.54	0.05	0.53
(1,3090)	1:345:A:LEU:HD11	1:355:A:ARG:HB2	20	0.54	0.11	0.55
(1,3090)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	20	0.54	0.11	0.55
(1,3090)	1:345:A:LEU:HD13	1:355:A:ARG:HB2	20	0.54	0.11	0.55
(1,3090)	1:345:A:LEU:HD13	1:355:A:ARG:HB3	20	0.54	0.11	0.55
(1,3090)	1:345:A:LEU:HD12	1:355:A:ARG:HB3	20	0.54	0.11	0.55
(1,3090)	1:345:A:LEU:HD11	1:355:A:ARG:HB3	20	0.54	0.11	0.55
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	20	0.54	0.03	0.54
(1,3121)	1:354:A:ILE:HD11	1:344:A:LEU:H	20	0.54	0.05	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3121)	1:354:A:ILE:HD13	1:344:A:LEU:H	20	0.54	0.05	0.55
(1,3121)	1:354:A:ILE:HD12	1:344:A:LEU:H	20	0.54	0.05	0.55
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	20	0.54	0.03	0.54
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG11	20	0.54	0.03	0.54
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	20	0.54	0.03	0.54
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD21	20	0.54	0.03	0.53
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD23	20	0.54	0.03	0.53
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD22	20	0.54	0.03	0.53
(1,2861)	1:366:A:ILE:HG21	1:366:A:ILE:H	20	0.54	0.02	0.54
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	20	0.54	0.02	0.54
(1,2861)	1:366:A:ILE:HG23	1:366:A:ILE:H	20	0.54	0.02	0.54
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	20	0.54	0.06	0.55
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	20	0.53	0.66	0.37
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	20	0.53	0.18	0.54
(1,2173)	1:375:A:LEU:HD21	1:353:A:PHE:HZ	20	0.53	0.12	0.55
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	20	0.53	0.12	0.55
(1,2173)	1:375:A:LEU:HD22	1:353:A:PHE:HZ	20	0.53	0.12	0.55
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	20	0.53	0.03	0.52
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	20	0.52	0.06	0.53
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	20	0.52	0.03	0.54
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	20	0.52	0.2	0.51
(1,1764)	1:412:A:LEU:HD22	1:410:A:ARG:HE	20	0.52	0.12	0.52
(1,1764)	1:412:A:LEU:HD21	1:410:A:ARG:HE	20	0.52	0.12	0.52
(1,1764)	1:412:A:LEU:HD23	1:410:A:ARG:HE	20	0.52	0.12	0.52
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	20	0.51	0.01	0.52
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG23	20	0.51	0.1	0.52
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG21	20	0.51	0.1	0.52
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG22	20	0.51	0.1	0.52
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	20	0.51	0.07	0.52
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	20	0.51	0.06	0.5
(1,3461)	1:414:A:ARG:HA	1:412:A:LEU:HD13	20	0.51	0.06	0.5
(1,3461)	1:414:A:ARG:HA	1:412:A:LEU:HD11	20	0.51	0.06	0.5
(1,3461)	1:414:A:ARG:HA	1:412:A:LEU:HD12	20	0.51	0.06	0.5
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD13	20	0.51	0.22	0.44
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD11	20	0.51	0.22	0.44
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD12	20	0.51	0.22	0.44
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	20	0.51	0.09	0.54
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	20	0.5	0.16	0.52
(1,1833)	1:416:A:MET:HG2	1:402:A:ILE:HA	20	0.5	0.16	0.52
(1,3446)	1:411:A:LEU:HD21	1:405:A:LYS:HE2	20	0.5	0.14	0.57
(1,3446)	1:411:A:LEU:HD22	1:405:A:LYS:HE3	20	0.5	0.14	0.57
(1,3446)	1:411:A:LEU:HD23	1:405:A:LYS:HE2	20	0.5	0.14	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3446)	1:411:A:LEU:HD23	1:405:A:LYS:HE3	20	0.5	0.14	0.57
(1,3446)	1:411:A:LEU:HD21	1:405:A:LYS:HE3	20	0.5	0.14	0.57
(1,3446)	1:411:A:LEU:HD22	1:405:A:LYS:HE2	20	0.5	0.14	0.57
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	20	0.5	0.14	0.5
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	20	0.5	0.04	0.49
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	20	0.5	0.06	0.5
(1,658)	1:354:A:ILE:HD12	1:353:A:PHE:HB2	20	0.5	0.05	0.5
(1,658)	1:354:A:ILE:HD11	1:353:A:PHE:HB2	20	0.5	0.05	0.5
(1,658)	1:354:A:ILE:HD13	1:353:A:PHE:HB2	20	0.5	0.05	0.5
(1,2857)	1:412:A:LEU:HD23	1:364:A:PHE:H	20	0.5	0.03	0.49
(1,2857)	1:412:A:LEU:HD22	1:364:A:PHE:H	20	0.5	0.03	0.49
(1,2857)	1:412:A:LEU:HD21	1:364:A:PHE:H	20	0.5	0.03	0.49
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD11	20	0.49	0.07	0.5
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD12	20	0.49	0.07	0.5
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD22	20	0.49	0.07	0.5
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD13	20	0.49	0.07	0.5
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD21	20	0.49	0.07	0.5
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD23	20	0.49	0.07	0.5
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	20	0.49	0.04	0.48
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	20	0.49	0.01	0.49
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	20	0.49	0.03	0.5
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG22	20	0.49	0.03	0.5
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG23	20	0.49	0.03	0.5
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	20	0.49	0.0	0.49
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	20	0.49	0.04	0.48
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	20	0.49	0.05	0.48
(1,3479)	1:415:A:PHE:HE2	1:415:A:PHE:HA	20	0.49	0.04	0.48
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	20	0.49	0.04	0.48
(1,3445)	1:411:A:LEU:HD22	1:369:A:PRO:HD3	20	0.49	0.14	0.55
(1,3445)	1:411:A:LEU:HD23	1:369:A:PRO:HD3	20	0.49	0.14	0.55
(1,3445)	1:411:A:LEU:HD21	1:369:A:PRO:HD3	20	0.49	0.14	0.55
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	20	0.48	0.08	0.5
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB2	20	0.48	0.08	0.5
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB3	20	0.48	0.08	0.5
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB1	20	0.48	0.08	0.5
(1,1733)	1:411:A:LEU:HD22	1:366:A:ILE:H	20	0.48	0.02	0.48
(1,1733)	1:411:A:LEU:HD23	1:366:A:ILE:H	20	0.48	0.02	0.48
(1,1733)	1:411:A:LEU:HD21	1:366:A:ILE:H	20	0.48	0.02	0.48
(1,1479)	1:400:A:LEU:HD13	1:399:A:LYS:HE2	20	0.47	0.14	0.48
(1,1479)	1:400:A:LEU:HD11	1:399:A:LYS:HE2	20	0.47	0.14	0.48
(1,1479)	1:400:A:LEU:HD12	1:399:A:LYS:HE2	20	0.47	0.14	0.48
(1,1479)	1:400:A:LEU:HD11	1:399:A:LYS:HE3	20	0.47	0.14	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1479)	1:400:A:LEU:HD13	1:399:A:LYS:HE3	20	0.47	0.14	0.48
(1,1479)	1:400:A:LEU:HD12	1:399:A:LYS:HE3	20	0.47	0.14	0.48
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD12	20	0.47	0.09	0.48
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD13	20	0.47	0.09	0.48
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD11	20	0.47	0.09	0.48
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD21	20	0.47	0.04	0.48
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD22	20	0.47	0.04	0.48
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD23	20	0.47	0.04	0.48
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD12	20	0.47	0.02	0.47
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD13	20	0.47	0.02	0.47
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD11	20	0.47	0.02	0.47
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD12	20	0.47	0.04	0.46
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	20	0.47	0.04	0.46
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD13	20	0.47	0.04	0.46
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB3	20	0.47	0.03	0.46
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB1	20	0.47	0.03	0.46
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB2	20	0.47	0.03	0.46
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	20	0.46	0.21	0.38
(1,3177)	1:359:A:LYS:HD2	1:360:A:GLU:HA	20	0.46	0.21	0.38
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG11	20	0.46	0.02	0.46
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG13	20	0.46	0.02	0.46
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	20	0.46	0.02	0.46
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB1	20	0.46	0.15	0.5
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB2	20	0.46	0.15	0.5
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB3	20	0.46	0.15	0.5
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	20	0.46	0.09	0.45
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG23	20	0.46	0.09	0.45
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG21	20	0.46	0.09	0.45
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	20	0.45	0.08	0.44
(1,3137)	1:416:A:MET:H	1:404:A:ARG:HD2	20	0.45	0.08	0.44
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD2	20	0.45	0.08	0.44
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	20	0.45	0.07	0.46
(1,3542)	1:422:A:ILE:HD12	1:403:A:ILE:H	20	0.45	0.11	0.45
(1,3542)	1:422:A:ILE:HD13	1:403:A:ILE:H	20	0.45	0.11	0.45
(1,3542)	1:422:A:ILE:HD11	1:403:A:ILE:H	20	0.45	0.11	0.45
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	20	0.45	0.04	0.44
(1,3578)	1:371:A:GLY:H	1:353:A:PHE:HZ	20	0.45	0.04	0.44
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG22	20	0.45	0.07	0.44
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	20	0.45	0.07	0.44
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG21	20	0.45	0.07	0.44
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	20	0.45	0.04	0.44
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	20	0.45	0.08	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB3	20	0.44	0.16	0.44
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	20	0.44	0.16	0.44
(1,3582)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	20	0.44	0.6	0.27
(1,3582)	1:413:A:PHE:HD1	1:366:A:ILE:HD12	20	0.44	0.6	0.27
(1,3582)	1:413:A:PHE:HD1	1:366:A:ILE:HD13	20	0.44	0.6	0.27
(1,3582)	1:403:A:ILE:HG23	1:413:A:PHE:HD2	20	0.44	0.6	0.27
(1,3582)	1:403:A:ILE:HG22	1:413:A:PHE:HD2	20	0.44	0.6	0.27
(1,3582)	1:413:A:PHE:HD1	1:366:A:ILE:HD11	20	0.44	0.6	0.27
(1,3345)	1:394:A:LEU:HD22	1:403:A:ILE:HD11	20	0.44	0.07	0.45
(1,3345)	1:394:A:LEU:HD23	1:403:A:ILE:HD13	20	0.44	0.07	0.45
(1,3345)	1:394:A:LEU:HD23	1:403:A:ILE:HD12	20	0.44	0.07	0.45
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD12	20	0.44	0.07	0.45
(1,3345)	1:394:A:LEU:HD22	1:403:A:ILE:HD13	20	0.44	0.07	0.45
(1,3345)	1:394:A:LEU:HD22	1:403:A:ILE:HD12	20	0.44	0.07	0.45
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD11	20	0.44	0.07	0.45
(1,3345)	1:394:A:LEU:HD23	1:403:A:ILE:HD11	20	0.44	0.07	0.45
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD13	20	0.44	0.07	0.45
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	20	0.44	0.06	0.45
(1,665)	1:345:A:LEU:HD21	1:354:A:ILE:HD11	20	0.44	0.06	0.43
(1,665)	1:345:A:LEU:HD21	1:354:A:ILE:HD13	20	0.44	0.06	0.43
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD13	20	0.44	0.06	0.43
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD12	20	0.44	0.06	0.43
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD11	20	0.44	0.06	0.43
(1,665)	1:345:A:LEU:HD22	1:354:A:ILE:HD11	20	0.44	0.06	0.43
(1,665)	1:345:A:LEU:HD22	1:354:A:ILE:HD13	20	0.44	0.06	0.43
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	20	0.44	0.02	0.44
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	20	0.44	0.09	0.45
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG23	20	0.43	0.06	0.41
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG22	20	0.43	0.06	0.41
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG21	20	0.43	0.06	0.41
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	20	0.43	0.26	0.34
(1,3196)	1:363:A:ILE:HA	1:362:A:LYS:HB2	20	0.43	0.26	0.34
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	20	0.43	0.09	0.42
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	20	0.43	0.04	0.43
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	20	0.43	0.05	0.41
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG23	20	0.43	0.05	0.41
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG21	20	0.43	0.05	0.41
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD12	20	0.43	0.01	0.43
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD13	20	0.43	0.01	0.43
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD11	20	0.43	0.01	0.43
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	20	0.42	0.05	0.42
(1,379)	1:337:A:LEU:HD12	1:390:A:MET:HA	20	0.42	0.05	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,379)	1:337:A:LEU:HD13	1:390:A:MET:HA	20	0.42	0.05	0.42
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD13	20	0.42	0.05	0.42
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD12	20	0.42	0.05	0.42
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD11	20	0.42	0.05	0.42
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	20	0.42	0.63	0.22
(1,3412)	1:405:A:LYS:HA	1:398:A:TYR:HD2	20	0.42	0.63	0.22
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD21	20	0.42	0.04	0.42
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD22	20	0.42	0.04	0.42
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD23	20	0.42	0.04	0.42
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	20	0.42	0.03	0.42
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	20	0.42	0.05	0.42
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	20	0.42	0.04	0.42
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	20	0.41	0.15	0.42
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG23	20	0.41	0.03	0.41
(1,2230)	1:367:A:VAL:HG13	1:367:A:VAL:HG23	20	0.41	0.03	0.41
(1,2230)	1:367:A:VAL:HG11	1:367:A:VAL:HG23	20	0.41	0.03	0.41
(1,2230)	1:367:A:VAL:HG11	1:367:A:VAL:HG21	20	0.41	0.03	0.41
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG22	20	0.41	0.03	0.41
(1,2230)	1:367:A:VAL:HG11	1:367:A:VAL:HG22	20	0.41	0.03	0.41
(1,2230)	1:367:A:VAL:HG13	1:367:A:VAL:HG22	20	0.41	0.03	0.41
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG21	20	0.41	0.03	0.41
(1,2230)	1:367:A:VAL:HG13	1:367:A:VAL:HG21	20	0.41	0.03	0.41
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	20	0.41	0.01	0.41
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	20	0.41	0.01	0.41
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	20	0.41	0.05	0.42
(1,692)	1:355:A:ARG:HD3	1:355:A:ARG:HA	20	0.41	0.05	0.42
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	20	0.41	0.0	0.41
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	20	0.4	0.05	0.39
(1,2086)	1:430:A:LEU:HD23	1:396:A:HIS:HB2	20	0.4	0.31	0.34
(1,2086)	1:430:A:LEU:HD21	1:396:A:HIS:HB2	20	0.4	0.31	0.34
(1,2086)	1:430:A:LEU:HD22	1:396:A:HIS:HB2	20	0.4	0.31	0.34
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	20	0.4	0.15	0.38
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	20	0.4	0.05	0.4
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	20	0.4	0.09	0.38
(1,644)	1:354:A:ILE:HG22	1:366:A:ILE:HA	20	0.4	0.03	0.41
(1,644)	1:354:A:ILE:HG21	1:366:A:ILE:HA	20	0.4	0.03	0.41
(1,644)	1:354:A:ILE:HG23	1:366:A:ILE:HA	20	0.4	0.03	0.41
(1,1270)	1:384:A:ASN:HB3	1:382:A:ARG:HB2	20	0.4	0.06	0.39
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	20	0.4	0.06	0.39
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	20	0.4	0.11	0.44
(1,3547)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	20	0.4	0.11	0.44
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	20	0.39	0.08	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	20	0.39	0.02	0.39
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG22	20	0.38	0.09	0.42
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG23	20	0.38	0.09	0.42
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG21	20	0.38	0.09	0.42
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	20	0.38	0.02	0.38
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD13	20	0.38	0.05	0.4
(1,2256)	1:430:A:LEU:HD23	1:430:A:LEU:HD11	20	0.38	0.05	0.4
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD12	20	0.38	0.05	0.4
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD11	20	0.38	0.05	0.4
(1,2256)	1:430:A:LEU:HD21	1:430:A:LEU:HD12	20	0.38	0.05	0.4
(1,2256)	1:430:A:LEU:HD21	1:430:A:LEU:HD13	20	0.38	0.05	0.4
(1,2256)	1:430:A:LEU:HD23	1:430:A:LEU:HD13	20	0.38	0.05	0.4
(1,2256)	1:430:A:LEU:HD21	1:430:A:LEU:HD11	20	0.38	0.05	0.4
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD22	20	0.38	0.05	0.38
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD23	20	0.38	0.05	0.38
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD21	20	0.38	0.05	0.38
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	20	0.38	0.02	0.38
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD11	20	0.38	0.04	0.38
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD12	20	0.38	0.04	0.38
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD13	20	0.38	0.04	0.38
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD11	20	0.38	0.03	0.37
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD12	20	0.38	0.03	0.37
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD13	20	0.38	0.03	0.37
(1,2893)	1:411:A:LEU:HD11	1:411:A:LEU:H	20	0.38	0.06	0.36
(1,2893)	1:411:A:LEU:HD13	1:411:A:LEU:H	20	0.38	0.06	0.36
(1,2893)	1:411:A:LEU:HD12	1:411:A:LEU:H	20	0.38	0.06	0.36
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD13	20	0.37	0.01	0.38
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD13	20	0.37	0.01	0.38
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD11	20	0.37	0.01	0.38
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD11	20	0.37	0.01	0.38
(1,2240)	1:394:A:LEU:HD21	1:394:A:LEU:HD13	20	0.37	0.01	0.38
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD12	20	0.37	0.01	0.38
(1,2240)	1:394:A:LEU:HD21	1:394:A:LEU:HD11	20	0.37	0.01	0.38
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD12	20	0.37	0.01	0.38
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD23	20	0.37	0.02	0.38
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	20	0.37	0.02	0.38
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD21	20	0.37	0.02	0.38
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	20	0.37	0.03	0.38
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG23	20	0.37	0.03	0.36
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG22	20	0.37	0.03	0.36
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG21	20	0.37	0.03	0.36
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD12	20	0.37	0.04	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD13	20	0.37	0.04	0.36
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD11	20	0.37	0.04	0.36
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	20	0.37	0.02	0.37
(1,3092)	1:345:A:LEU:HD13	1:344:A:LEU:H	20	0.36	0.08	0.37
(1,3092)	1:345:A:LEU:HD11	1:344:A:LEU:H	20	0.36	0.08	0.37
(1,3092)	1:345:A:LEU:HD12	1:344:A:LEU:H	20	0.36	0.08	0.37
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD11	20	0.36	0.09	0.36
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD13	20	0.36	0.09	0.36
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD12	20	0.36	0.09	0.36
(1,3485)	1:415:A:PHE:HE1	1:415:A:PHE:HD1	20	0.36	0.0	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	20	0.36	0.0	0.36
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG21	20	0.36	0.02	0.36
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	20	0.36	0.02	0.36
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG23	20	0.36	0.02	0.36
(1,2225)	1:394:A:LEU:HD21	1:366:A:ILE:HD13	20	0.36	0.07	0.36
(1,2225)	1:394:A:LEU:HD22	1:366:A:ILE:HD11	20	0.36	0.07	0.36
(1,2225)	1:394:A:LEU:HD22	1:366:A:ILE:HD13	20	0.36	0.07	0.36
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD13	20	0.36	0.07	0.36
(1,2225)	1:394:A:LEU:HD21	1:366:A:ILE:HD11	20	0.36	0.07	0.36
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD11	20	0.36	0.07	0.36
(1,2225)	1:394:A:LEU:HD22	1:366:A:ILE:HD12	20	0.36	0.07	0.36
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD12	20	0.36	0.07	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	20	0.36	0.01	0.36
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	20	0.36	0.03	0.36
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG3	20	0.36	0.03	0.36
(1,1959)	1:422:A:ILE:HG22	1:422:A:ILE:H	20	0.36	0.02	0.36
(1,1959)	1:422:A:ILE:HG23	1:422:A:ILE:H	20	0.36	0.02	0.36
(1,1959)	1:422:A:ILE:HG21	1:422:A:ILE:H	20	0.36	0.02	0.36
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	20	0.35	0.02	0.36
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD22	20	0.35	0.02	0.35
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD21	20	0.35	0.02	0.35
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD23	20	0.35	0.02	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	20	0.35	0.01	0.35
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG3	20	0.35	0.13	0.3
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG3	20	0.35	0.13	0.3
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG2	20	0.35	0.13	0.3
(1,1116)	1:373:A:ALA:HB3	1:385:A:MET:HG3	20	0.35	0.13	0.3
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG2	20	0.35	0.13	0.3
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	20	0.34	0.04	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	20	0.34	0.0	0.34
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	20	0.34	0.04	0.34
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD13	20	0.34	0.05	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD11	20	0.34	0.05	0.34
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD12	20	0.34	0.05	0.34
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	20	0.34	0.02	0.34
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD11	20	0.34	0.04	0.32
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD12	20	0.34	0.04	0.32
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD13	20	0.34	0.04	0.32
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	20	0.33	0.12	0.32
(1,1203)	1:394:A:LEU:HD22	1:397:A:TYR:HB3	20	0.33	0.03	0.32
(1,1203)	1:394:A:LEU:HD23	1:397:A:TYR:HB3	20	0.33	0.03	0.32
(1,1203)	1:394:A:LEU:HD21	1:397:A:TYR:HB3	20	0.33	0.03	0.32
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	20	0.33	0.0	0.33
(1,3575)	1:353:A:PHE:HD2	1:353:A:PHE:HE2	20	0.33	0.0	0.33
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD12	20	0.32	0.06	0.32
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD13	20	0.32	0.06	0.32
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD11	20	0.32	0.06	0.32
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	20	0.32	0.03	0.32
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD22	20	0.32	0.1	0.3
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD21	20	0.32	0.1	0.3
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD23	20	0.32	0.1	0.3
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	20	0.32	0.07	0.3
(1,3677)	1:364:A:PHE:H	1:414:A:ARG:HB2	20	0.32	0.07	0.3
(1,671)	1:345:A:LEU:HD12	1:354:A:ILE:HG13	20	0.32	0.02	0.32
(1,671)	1:345:A:LEU:HD13	1:354:A:ILE:HG13	20	0.32	0.02	0.32
(1,671)	1:345:A:LEU:HD11	1:354:A:ILE:HG13	20	0.32	0.02	0.32
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD11	20	0.32	0.02	0.32
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD12	20	0.32	0.02	0.32
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD13	20	0.32	0.02	0.32
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD11	20	0.32	0.11	0.29
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD12	20	0.32	0.11	0.29
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD13	20	0.32	0.11	0.29
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD12	20	0.32	0.02	0.32
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD13	20	0.32	0.02	0.32
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD11	20	0.32	0.02	0.32
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG21	20	0.32	0.02	0.32
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG22	20	0.32	0.02	0.32
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG23	20	0.32	0.02	0.32
(1,3432)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	20	0.32	0.06	0.33
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	20	0.32	0.06	0.33
(1,3432)	1:429:A:ARG:HG3	1:429:A:ARG:HD2	20	0.32	0.06	0.33
(1,3432)	1:392:A:ARG:HG2	1:392:A:ARG:HD3	20	0.32	0.06	0.33
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	20	0.32	0.05	0.32
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	20	0.32	0.06	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HD2	20	0.32	0.09	0.34
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	20	0.32	0.09	0.34
(1,3394)	1:403:A:ILE:HD11	1:397:A:TYR:HA	20	0.31	0.05	0.3
(1,3394)	1:403:A:ILE:HD13	1:397:A:TYR:HA	20	0.31	0.05	0.3
(1,3394)	1:403:A:ILE:HD12	1:397:A:TYR:HA	20	0.31	0.05	0.3
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	20	0.31	0.04	0.31
(1,344)	1:335:A:ARG:HB3	1:335:A:ARG:HG2	20	0.31	0.04	0.31
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG2	20	0.31	0.04	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	20	0.31	0.01	0.31
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD11	20	0.31	0.1	0.31
(1,977)	1:366:A:ILE:HD11	1:337:A:LEU:HD11	20	0.31	0.1	0.31
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD12	20	0.31	0.1	0.31
(1,977)	1:366:A:ILE:HD12	1:337:A:LEU:HD11	20	0.31	0.1	0.31
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD13	20	0.31	0.1	0.31
(1,977)	1:366:A:ILE:HD11	1:337:A:LEU:HD13	20	0.31	0.1	0.31
(1,977)	1:366:A:ILE:HD12	1:337:A:LEU:HD12	20	0.31	0.1	0.31
(1,977)	1:366:A:ILE:HD12	1:337:A:LEU:HD13	20	0.31	0.1	0.31
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG23	20	0.31	0.01	0.31
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG21	20	0.31	0.01	0.31
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG22	20	0.31	0.01	0.31
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	20	0.31	0.03	0.3
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD13	20	0.3	0.07	0.31
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD12	20	0.3	0.07	0.31
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD11	20	0.3	0.07	0.31
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD23	20	0.3	0.01	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD22	20	0.3	0.01	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD21	20	0.3	0.01	0.3
(1,3274)	1:373:A:ALA:HB1	1:376:A:TRP:H	20	0.3	0.05	0.3
(1,3274)	1:373:A:ALA:HB2	1:376:A:TRP:H	20	0.3	0.05	0.3
(1,3274)	1:373:A:ALA:HB3	1:376:A:TRP:H	20	0.3	0.05	0.3
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	20	0.3	0.05	0.31
(1,3680)	1:365:A:ARG:H	1:358:A:ASP:H	20	0.3	0.05	0.31
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG11	20	0.3	0.03	0.3
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG12	20	0.3	0.03	0.3
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG13	20	0.3	0.03	0.3
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	20	0.29	0.02	0.3
(1,992)	1:367:A:VAL:HG11	1:368:A:ASP:HA	20	0.29	0.03	0.3
(1,992)	1:367:A:VAL:HG12	1:368:A:ASP:HA	20	0.29	0.03	0.3
(1,992)	1:367:A:VAL:HG13	1:368:A:ASP:HA	20	0.29	0.03	0.3
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG21	20	0.29	0.04	0.29
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	20	0.29	0.04	0.29
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG23	20	0.29	0.04	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD21	20	0.29	0.09	0.26
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	20	0.29	0.09	0.26
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD23	20	0.29	0.09	0.26
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	20	0.29	0.08	0.27
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG21	20	0.29	0.02	0.3
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	20	0.29	0.02	0.3
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG23	20	0.29	0.02	0.3
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	20	0.29	0.05	0.29
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD1	20	0.29	0.05	0.29
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	20	0.29	0.02	0.29
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG22	20	0.29	0.02	0.29
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG21	20	0.29	0.02	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	20	0.29	0.01	0.29
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG3	20	0.29	0.15	0.21
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	20	0.29	0.15	0.21
(1,2237)	1:375:A:LEU:HD13	1:375:A:LEU:HD21	20	0.29	0.02	0.29
(1,2237)	1:375:A:LEU:HD11	1:375:A:LEU:HD22	20	0.29	0.02	0.29
(1,2237)	1:375:A:LEU:HD11	1:375:A:LEU:HD21	20	0.29	0.02	0.29
(1,2237)	1:375:A:LEU:HD13	1:375:A:LEU:HD22	20	0.29	0.02	0.29
(1,2237)	1:375:A:LEU:HD11	1:375:A:LEU:HD23	20	0.29	0.02	0.29
(1,2237)	1:375:A:LEU:HD12	1:375:A:LEU:HD21	20	0.29	0.02	0.29
(1,2237)	1:375:A:LEU:HD12	1:375:A:LEU:HD23	20	0.29	0.02	0.29
(1,2237)	1:375:A:LEU:HD13	1:375:A:LEU:HD23	20	0.29	0.02	0.29
(1,2237)	1:375:A:LEU:HD12	1:375:A:LEU:HD22	20	0.29	0.02	0.29
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD12	20	0.28	0.05	0.29
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD13	20	0.28	0.05	0.29
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD11	20	0.28	0.05	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	20	0.28	0.01	0.29
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	20	0.28	0.05	0.29
(1,906)	1:363:A:ILE:HD11	1:363:A:ILE:HG13	20	0.28	0.01	0.28
(1,906)	1:363:A:ILE:HD13	1:363:A:ILE:HG13	20	0.28	0.01	0.28
(1,906)	1:363:A:ILE:HD12	1:363:A:ILE:HG13	20	0.28	0.01	0.28
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	20	0.28	0.16	0.22
(1,2986)	1:381:A:ASN:HB2	1:382:A:ARG:HA	20	0.28	0.16	0.22
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	20	0.28	0.01	0.28
(1,2858)	1:412:A:LEU:HD23	1:365:A:ARG:H	20	0.28	0.03	0.28
(1,2858)	1:412:A:LEU:HD22	1:365:A:ARG:H	20	0.28	0.03	0.28
(1,2858)	1:412:A:LEU:HD21	1:365:A:ARG:H	20	0.28	0.03	0.28
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	20	0.28	0.01	0.28
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG21	20	0.28	0.01	0.28
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG23	20	0.28	0.01	0.28
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD22	20	0.28	0.02	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD23	20	0.28	0.02	0.28
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD22	20	0.28	0.02	0.28
(1,2259)	1:433:A:LEU:HD11	1:433:A:LEU:HD21	20	0.28	0.02	0.28
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD21	20	0.28	0.02	0.28
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD23	20	0.28	0.02	0.28
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD21	20	0.28	0.02	0.28
(1,2259)	1:433:A:LEU:HD11	1:433:A:LEU:HD23	20	0.28	0.02	0.28
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD12	20	0.28	0.09	0.29
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	20	0.28	0.09	0.29
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD13	20	0.28	0.09	0.29
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD12	20	0.27	0.08	0.27
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD13	20	0.27	0.08	0.27
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD11	20	0.27	0.08	0.27
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	20	0.27	0.06	0.27
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD21	20	0.27	0.03	0.26
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD23	20	0.27	0.03	0.26
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD22	20	0.27	0.03	0.26
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	20	0.27	0.05	0.28
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	20	0.27	0.09	0.28
(1,3462)	1:414:A:ARG:HB3	1:404:A:ARG:HG3	20	0.27	0.09	0.28
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG21	20	0.27	0.01	0.27
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG22	20	0.27	0.01	0.27
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	20	0.27	0.01	0.27
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG23	20	0.27	0.06	0.26
(1,3074)	1:341:A:VAL:HG22	1:338:A:TRP:HB3	20	0.27	0.06	0.26
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG22	20	0.27	0.06	0.26
(1,3074)	1:341:A:VAL:HG21	1:338:A:TRP:HB3	20	0.27	0.06	0.26
(1,3074)	1:341:A:VAL:HG23	1:338:A:TRP:HB3	20	0.27	0.06	0.26
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG21	20	0.27	0.06	0.26
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	20	0.27	0.02	0.26
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	20	0.27	0.02	0.26
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	20	0.27	0.02	0.26
(1,539)	1:345:A:LEU:HD12	1:354:A:ILE:HA	20	0.26	0.04	0.26
(1,539)	1:345:A:LEU:HD13	1:354:A:ILE:HA	20	0.26	0.04	0.26
(1,539)	1:345:A:LEU:HD11	1:354:A:ILE:HA	20	0.26	0.04	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	20	0.26	0.0	0.26
(1,3015)	1:413:A:PHE:HD1	1:413:A:PHE:HE1	20	0.26	0.0	0.26
(1,967)	1:366:A:ILE:HG23	1:368:A:ASP:HB3	20	0.26	0.04	0.26
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	20	0.26	0.04	0.26
(1,967)	1:366:A:ILE:HG22	1:368:A:ASP:HB3	20	0.26	0.04	0.26
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	20	0.26	0.01	0.26
(1,2244)	1:400:A:LEU:HD13	1:400:A:LEU:HD22	20	0.26	0.01	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2244)	1:400:A:LEU:HD11	1:400:A:LEU:HD21	20	0.26	0.01	0.26
(1,2244)	1:400:A:LEU:HD13	1:400:A:LEU:HD23	20	0.26	0.01	0.26
(1,2244)	1:400:A:LEU:HD12	1:400:A:LEU:HD21	20	0.26	0.01	0.26
(1,2244)	1:400:A:LEU:HD11	1:400:A:LEU:HD23	20	0.26	0.01	0.26
(1,2244)	1:400:A:LEU:HD13	1:400:A:LEU:HD21	20	0.26	0.01	0.26
(1,2244)	1:400:A:LEU:HD11	1:400:A:LEU:HD22	20	0.26	0.01	0.26
(1,2244)	1:400:A:LEU:HD12	1:400:A:LEU:HD23	20	0.26	0.01	0.26
(1,2244)	1:400:A:LEU:HD12	1:400:A:LEU:HD22	20	0.26	0.01	0.26
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	20	0.26	0.03	0.26
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	20	0.25	0.07	0.26
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD21	20	0.25	0.08	0.25
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD22	20	0.25	0.08	0.25
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD23	20	0.25	0.08	0.25
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD11	20	0.25	0.05	0.27
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD13	20	0.25	0.05	0.27
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD12	20	0.25	0.05	0.27
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	20	0.24	0.05	0.26
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	20	0.24	0.04	0.26
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD13	20	0.24	0.05	0.24
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD12	20	0.24	0.05	0.24
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD11	20	0.24	0.05	0.24
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG23	20	0.24	0.01	0.24
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	20	0.24	0.01	0.24
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG22	20	0.24	0.01	0.24
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG21	20	0.23	0.06	0.23
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG22	20	0.23	0.06	0.23
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG23	20	0.23	0.06	0.23
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD11	20	0.23	0.03	0.22
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD13	20	0.23	0.03	0.22
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD12	20	0.23	0.03	0.22
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	20	0.23	0.03	0.23
(1,3203)	1:363:A:ILE:HD12	1:363:A:ILE:HG12	20	0.23	0.02	0.23
(1,3203)	1:363:A:ILE:HD11	1:363:A:ILE:HG12	20	0.23	0.02	0.23
(1,3203)	1:363:A:ILE:HD13	1:363:A:ILE:HG12	20	0.23	0.02	0.23
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	20	0.23	0.03	0.24
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG22	20	0.23	0.03	0.24
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG23	20	0.23	0.03	0.24
(1,3685)	1:365:A:ARG:H	1:354:A:ILE:HG13	20	0.23	0.03	0.24
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD21	20	0.23	0.06	0.23
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	20	0.23	0.06	0.23
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD23	20	0.23	0.06	0.23
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	20	0.22	0.04	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	20	0.22	0.07	0.22
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	20	0.22	0.03	0.22
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	20	0.22	0.02	0.22
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB1	20	0.22	0.05	0.22
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB2	20	0.22	0.05	0.22
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB3	20	0.22	0.05	0.22
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	20	0.21	0.01	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD13	20	0.21	0.02	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD11	20	0.21	0.02	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD12	20	0.21	0.02	0.21
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD11	20	0.21	0.02	0.21
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD12	20	0.21	0.02	0.21
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD13	20	0.21	0.02	0.21
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	20	0.2	0.01	0.2
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	20	0.2	0.01	0.19
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	20	0.19	0.02	0.19
(1,1290)	1:386:A:THR:HG23	1:385:A:MET:HA	20	0.19	0.03	0.18
(1,1290)	1:386:A:THR:HG21	1:385:A:MET:HA	20	0.19	0.03	0.18
(1,1290)	1:386:A:THR:HG22	1:385:A:MET:HA	20	0.19	0.03	0.18
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	20	0.19	0.02	0.2
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	20	0.19	0.01	0.19
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	20	0.19	0.03	0.18
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG13	20	0.18	0.02	0.19
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG11	20	0.18	0.02	0.19
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG12	20	0.18	0.02	0.19
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	20	0.18	0.01	0.18
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	20	0.18	0.02	0.18
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG23	20	0.18	0.02	0.18
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG21	20	0.18	0.02	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	20	0.18	0.01	0.18
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD11	20	0.18	0.03	0.17
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD12	20	0.18	0.03	0.17
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD13	20	0.18	0.03	0.17
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	20	0.17	0.03	0.18
(1,3386)	1:402:A:ILE:HD12	1:402:A:ILE:HG12	20	0.17	0.01	0.17
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG12	20	0.17	0.01	0.17
(1,3386)	1:402:A:ILE:HD11	1:402:A:ILE:HG12	20	0.17	0.01	0.17
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG13	20	0.17	0.01	0.17
(1,3386)	1:402:A:ILE:HD12	1:402:A:ILE:HG13	20	0.17	0.01	0.17
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	20	0.17	0.01	0.17
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	20	0.17	0.05	0.15
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB2	20	0.17	0.05	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	20	0.16	0.01	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	20	0.16	0.01	0.16
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	20	0.16	0.02	0.16
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	20	0.16	0.03	0.16
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	20	0.16	0.04	0.16
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	20	0.16	0.01	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	20	0.16	0.0	0.16
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	20	0.16	0.02	0.16
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	20	0.16	0.01	0.16
(1,1001)	1:367:A:VAL:HG22	1:366:A:ILE:HA	20	0.16	0.01	0.16
(1,1001)	1:367:A:VAL:HG23	1:366:A:ILE:HA	20	0.16	0.01	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	20	0.16	0.01	0.16
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	20	0.15	0.02	0.16
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD11	20	0.15	0.01	0.15
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD13	20	0.15	0.01	0.15
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD12	20	0.15	0.01	0.15
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG23	20	0.15	0.01	0.15
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG22	20	0.15	0.01	0.15
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG21	20	0.15	0.01	0.15
(1,2248)	1:411:A:LEU:HD12	1:411:A:LEU:HD23	20	0.15	0.02	0.14
(1,2248)	1:411:A:LEU:HD11	1:411:A:LEU:HD21	20	0.15	0.02	0.14
(1,2248)	1:411:A:LEU:HD12	1:411:A:LEU:HD22	20	0.15	0.02	0.14
(1,2248)	1:411:A:LEU:HD11	1:411:A:LEU:HD22	20	0.15	0.02	0.14
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD23	20	0.15	0.02	0.14
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD22	20	0.15	0.02	0.14
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD21	20	0.15	0.02	0.14
(1,2248)	1:411:A:LEU:HD12	1:411:A:LEU:HD21	20	0.15	0.02	0.14
(1,2248)	1:411:A:LEU:HD11	1:411:A:LEU:HD23	20	0.15	0.02	0.14
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	20	0.15	0.02	0.14
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG12	20	0.14	0.02	0.14
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG11	20	0.14	0.02	0.14
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG13	20	0.14	0.02	0.14
(1,654)	1:354:A:ILE:HD11	1:354:A:ILE:H	20	0.13	0.01	0.13
(1,654)	1:354:A:ILE:HD13	1:354:A:ILE:H	20	0.13	0.01	0.13
(1,654)	1:354:A:ILE:HD12	1:354:A:ILE:H	20	0.13	0.01	0.13
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	20	0.13	0.01	0.13
(1,3620)	1:342:A:TYR:H	1:342:A:TYR:HB3	20	0.13	0.01	0.13
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	19	1.49	0.78	1.98
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD2	19	1.49	0.78	1.98
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	19	1.08	0.08	1.09
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE2	19	0.94	0.2	0.98
(1,3168)	1:359:A:LYS:HA	1:358:A:ASP:HB3	19	0.94	0.2	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	19	0.94	0.2	0.98
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD23	19	0.93	0.12	0.98
(1,3561)	1:430:A:LEU:HD23	1:427:A:THR:HB	19	0.93	0.12	0.98
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD22	19	0.93	0.12	0.98
(1,3561)	1:430:A:LEU:HD22	1:427:A:THR:HB	19	0.93	0.12	0.98
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD21	19	0.93	0.12	0.98
(1,3568)	1:336:A:LEU:HD13	1:338:A:TRP:HB3	19	0.86	0.18	0.87
(1,3568)	1:336:A:LEU:HD11	1:338:A:TRP:HB3	19	0.86	0.18	0.87
(1,3568)	1:336:A:LEU:HD12	1:338:A:TRP:HB3	19	0.86	0.18	0.87
(1,899)	1:363:A:ILE:HD12	1:414:A:ARG:HA	19	0.78	0.05	0.78
(1,899)	1:363:A:ILE:HD11	1:414:A:ARG:HA	19	0.78	0.05	0.78
(1,899)	1:363:A:ILE:HD13	1:414:A:ARG:HA	19	0.78	0.05	0.78
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD23	19	0.78	0.07	0.81
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD21	19	0.78	0.07	0.81
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD22	19	0.78	0.07	0.81
(1,2055)	1:430:A:LEU:HD13	1:430:A:LEU:HA	19	0.73	0.03	0.73
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	19	0.73	0.03	0.73
(1,2055)	1:430:A:LEU:HD11	1:430:A:LEU:HA	19	0.73	0.03	0.73
(1,3504)	1:362:A:LYS:HE2	1:415:A:PHE:HD2	19	0.72	0.31	0.7
(1,3504)	1:362:A:LYS:HE2	1:361:A:SER:H	19	0.72	0.31	0.7
(1,3504)	1:362:A:LYS:HE3	1:415:A:PHE:HD2	19	0.72	0.31	0.7
(1,3504)	1:362:A:LYS:HE3	1:361:A:SER:H	19	0.72	0.31	0.7
(1,3504)	1:409:A:GLN:HE21	1:405:A:LYS:HE2	19	0.72	0.31	0.7
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	19	0.72	0.65	0.47
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	19	0.67	0.47	0.73
(1,3330)	1:392:A:ARG:HG3	1:394:A:LEU:H	19	0.67	0.47	0.73
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	19	0.65	0.17	0.71
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD12	19	0.61	0.06	0.61
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD11	19	0.61	0.06	0.61
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD13	19	0.61	0.06	0.61
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	19	0.54	0.04	0.51
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG23	19	0.53	0.27	0.46
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG21	19	0.53	0.27	0.46
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG22	19	0.53	0.27	0.46
(1,2016)	1:427:A:THR:HG22	1:430:A:LEU:H	19	0.52	0.1	0.55
(1,2016)	1:427:A:THR:HG23	1:430:A:LEU:H	19	0.52	0.1	0.55
(1,2016)	1:427:A:THR:HG21	1:430:A:LEU:H	19	0.52	0.1	0.55
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	19	0.51	0.02	0.51
(1,3558)	1:430:A:LEU:HD22	1:430:A:LEU:HB2	19	0.5	0.02	0.51
(1,3558)	1:430:A:LEU:HD23	1:430:A:LEU:HB2	19	0.5	0.02	0.51
(1,3558)	1:430:A:LEU:HD21	1:430:A:LEU:HB2	19	0.5	0.02	0.51
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	19	0.5	0.13	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	19	0.48	0.01	0.48
(1,3413)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	19	0.48	0.01	0.48
(1,3235)	1:367:A:VAL:HG23	1:352:A:ASN:HA	19	0.46	0.12	0.46
(1,3235)	1:367:A:VAL:HG21	1:352:A:ASN:HA	19	0.46	0.12	0.46
(1,3235)	1:367:A:VAL:HG22	1:352:A:ASN:HA	19	0.46	0.12	0.46
(1,3235)	1:367:A:VAL:HG22	1:351:A:GLU:HA	19	0.46	0.12	0.46
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	19	0.46	0.15	0.45
(1,3105)	1:351:A:GLU:HG3	1:350:A:TYR:HA	19	0.46	0.15	0.45
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB3	19	0.45	0.08	0.44
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	19	0.45	0.08	0.44
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD12	19	0.43	0.13	0.39
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD11	19	0.43	0.13	0.39
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD13	19	0.43	0.13	0.39
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	19	0.43	0.04	0.42
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	19	0.42	0.12	0.36
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE3	19	0.42	0.12	0.36
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	19	0.42	0.03	0.42
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD22	19	0.41	0.13	0.39
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD21	19	0.41	0.13	0.39
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD23	19	0.41	0.13	0.39
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	19	0.41	0.14	0.43
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG13	19	0.41	0.14	0.43
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	19	0.41	0.14	0.43
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	19	0.4	0.07	0.39
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB2	19	0.4	0.07	0.39
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD12	19	0.4	0.07	0.43
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD13	19	0.4	0.07	0.43
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD11	19	0.4	0.07	0.43
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	19	0.4	0.09	0.39
(1,3215)	1:365:A:ARG:HG2	1:364:A:PHE:HD1	19	0.4	0.09	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	19	0.39	0.0	0.39
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	19	0.39	0.04	0.4
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	19	0.39	0.13	0.34
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD12	19	0.38	0.14	0.4
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD11	19	0.38	0.14	0.4
(1,2245)	1:402:A:ILE:HG21	1:403:A:ILE:HD13	19	0.38	0.14	0.4
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD13	19	0.38	0.14	0.4
(1,2245)	1:402:A:ILE:HG21	1:403:A:ILE:HD11	19	0.38	0.14	0.4
(1,2245)	1:402:A:ILE:HG21	1:403:A:ILE:HD12	19	0.38	0.14	0.4
(1,2245)	1:402:A:ILE:HG23	1:403:A:ILE:HD12	19	0.38	0.14	0.4
(1,2245)	1:402:A:ILE:HG23	1:403:A:ILE:HD11	19	0.38	0.14	0.4
(1,2245)	1:402:A:ILE:HG23	1:403:A:ILE:HD13	19	0.38	0.14	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG23	19	0.34	0.1	0.35
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG22	19	0.34	0.1	0.35
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG21	19	0.34	0.1	0.35
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD11	19	0.33	0.02	0.33
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD13	19	0.33	0.02	0.33
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD12	19	0.33	0.02	0.33
(1,3393)	1:341:A:VAL:HG21	1:403:A:ILE:HG22	19	0.33	0.09	0.33
(1,3393)	1:341:A:VAL:HG23	1:403:A:ILE:HG23	19	0.33	0.09	0.33
(1,3393)	1:341:A:VAL:HG23	1:403:A:ILE:HG22	19	0.33	0.09	0.33
(1,3393)	1:341:A:VAL:HG23	1:403:A:ILE:HG21	19	0.33	0.09	0.33
(1,3393)	1:341:A:VAL:HG21	1:403:A:ILE:HG21	19	0.33	0.09	0.33
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG21	19	0.33	0.09	0.33
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG22	19	0.33	0.09	0.33
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG23	19	0.33	0.09	0.33
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	19	0.32	0.03	0.34
(1,1879)	1:418:A:THR:HG23	1:419:A:PRO:HD3	19	0.32	0.11	0.32
(1,1879)	1:418:A:THR:HG22	1:419:A:PRO:HD3	19	0.32	0.11	0.32
(1,1879)	1:418:A:THR:HG21	1:419:A:PRO:HD3	19	0.32	0.11	0.32
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	19	0.32	0.23	0.18
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	19	0.31	0.14	0.27
(1,2242)	1:394:A:LEU:HD21	1:341:A:VAL:HG13	19	0.31	0.08	0.33
(1,2242)	1:394:A:LEU:HD22	1:341:A:VAL:HG12	19	0.31	0.08	0.33
(1,2242)	1:394:A:LEU:HD23	1:341:A:VAL:HG13	19	0.31	0.08	0.33
(1,2242)	1:394:A:LEU:HD21	1:341:A:VAL:HG11	19	0.31	0.08	0.33
(1,2242)	1:394:A:LEU:HD23	1:341:A:VAL:HG11	19	0.31	0.08	0.33
(1,2242)	1:394:A:LEU:HD22	1:341:A:VAL:HG11	19	0.31	0.08	0.33
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	19	0.31	0.17	0.27
(1,1526)	1:402:A:ILE:HD12	1:422:A:ILE:HG21	19	0.3	0.09	0.32
(1,1526)	1:402:A:ILE:HD12	1:422:A:ILE:HG22	19	0.3	0.09	0.32
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG21	19	0.3	0.09	0.32
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG22	19	0.3	0.09	0.32
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG21	19	0.3	0.09	0.32
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG22	19	0.3	0.09	0.32
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG23	19	0.3	0.09	0.32
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG23	19	0.3	0.09	0.32
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	19	0.3	0.04	0.31
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	19	0.29	0.17	0.24
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD23	19	0.26	0.07	0.27
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD22	19	0.26	0.07	0.27
(1,3133)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	19	0.26	0.07	0.27
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD21	19	0.26	0.07	0.27
(1,3133)	1:345:A:LEU:HD13	1:355:A:ARG:HB2	19	0.26	0.07	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3133)	1:345:A:LEU:HD11	1:355:A:ARG:HB2	19	0.26	0.07	0.27
(1,3133)	1:345:A:LEU:HD12	1:355:A:ARG:HB3	19	0.26	0.07	0.27
(1,3133)	1:345:A:LEU:HD11	1:355:A:ARG:HB3	19	0.26	0.07	0.27
(1,3229)	1:366:A:ILE:HD12	1:412:A:LEU:HA	19	0.26	0.07	0.27
(1,3229)	1:366:A:ILE:HD13	1:412:A:LEU:HA	19	0.26	0.07	0.27
(1,3229)	1:366:A:ILE:HD11	1:412:A:LEU:HA	19	0.26	0.07	0.27
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	19	0.25	0.12	0.22
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	19	0.25	0.05	0.25
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	19	0.24	0.04	0.24
(1,641)	1:354:A:ILE:HG22	1:345:A:LEU:H	19	0.24	0.07	0.24
(1,641)	1:354:A:ILE:HG21	1:345:A:LEU:H	19	0.24	0.07	0.24
(1,641)	1:354:A:ILE:HG23	1:345:A:LEU:H	19	0.24	0.07	0.24
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	19	0.23	0.14	0.12
(1,463)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	19	0.23	0.14	0.12
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG23	19	0.22	0.05	0.21
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	19	0.22	0.05	0.21
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG22	19	0.22	0.05	0.21
(1,3337)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	19	0.21	0.06	0.22
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	19	0.21	0.06	0.22
(1,3337)	1:395:A:ARG:HG2	1:395:A:ARG:HD3	19	0.21	0.06	0.22
(1,3337)	1:392:A:ARG:HG2	1:392:A:ARG:HD3	19	0.21	0.06	0.22
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG12	19	0.2	0.02	0.2
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG11	19	0.2	0.02	0.2
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	19	0.2	0.02	0.2
(1,3062)	1:341:A:VAL:HA	1:344:A:LEU:HG	19	0.2	0.02	0.2
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	19	0.19	0.04	0.19
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD21	19	0.19	0.04	0.18
(1,2154)	1:336:A:LEU:HD12	1:336:A:LEU:HD22	19	0.19	0.04	0.18
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD23	19	0.19	0.04	0.18
(1,2154)	1:336:A:LEU:HD12	1:336:A:LEU:HD21	19	0.19	0.04	0.18
(1,2154)	1:336:A:LEU:HD13	1:336:A:LEU:HD22	19	0.19	0.04	0.18
(1,2154)	1:336:A:LEU:HD13	1:336:A:LEU:HD23	19	0.19	0.04	0.18
(1,2154)	1:336:A:LEU:HD13	1:336:A:LEU:HD21	19	0.19	0.04	0.18
(1,2154)	1:336:A:LEU:HD12	1:336:A:LEU:HD23	19	0.19	0.04	0.18
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD22	19	0.19	0.04	0.18
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	19	0.19	0.1	0.17
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	19	0.18	0.01	0.18
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	19	0.18	0.03	0.17
(1,2959)	1:340:A:TYR:HD2	1:344:A:LEU:HG	19	0.16	0.03	0.16
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG11	19	0.16	0.03	0.16
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	19	0.16	0.03	0.16
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	19	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2959)	1:340:A:TYR:HD1	1:344:A:LEU:HG	19	0.16	0.03	0.16
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	19	0.15	0.03	0.16
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	19	0.14	0.02	0.13
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	19	0.14	0.01	0.14
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	19	0.13	0.01	0.14
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD13	19	0.12	0.01	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD12	19	0.12	0.01	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD11	19	0.12	0.01	0.12
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD23	19	0.12	0.01	0.11
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD22	19	0.12	0.01	0.11
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD21	19	0.12	0.01	0.11
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD13	18	1.75	0.06	1.74
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD12	18	1.75	0.06	1.74
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD11	18	1.75	0.06	1.74
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	18	1.22	0.08	1.23
(1,3592)	1:417:A:LYS:HG2	1:422:A:ILE:HG13	18	1.22	0.08	1.23
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	18	1.12	0.05	1.13
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD13	18	1.06	0.29	1.01
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD11	18	1.06	0.29	1.01
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD12	18	1.06	0.29	1.01
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	18	0.8	0.47	0.76
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	18	0.78	0.29	0.71
(1,3425)	1:410:A:ARG:HG3	1:410:A:ARG:HA	18	0.73	0.18	0.76
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	18	0.73	0.18	0.76
(1,3425)	1:410:A:ARG:HG2	1:410:A:ARG:HA	18	0.73	0.18	0.76
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	18	0.68	0.03	0.68
(1,2159)	1:336:A:LEU:HD22	1:339:A:ASP:HB2	18	0.67	0.33	0.46
(1,2159)	1:336:A:LEU:HD23	1:339:A:ASP:HB2	18	0.67	0.33	0.46
(1,2159)	1:336:A:LEU:HD21	1:339:A:ASP:HB2	18	0.67	0.33	0.46
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	18	0.65	0.04	0.64
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	18	0.64	0.25	0.66
(1,3651)	1:355:A:ARG:H	1:365:A:ARG:HD3	18	0.64	0.25	0.66
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	18	0.61	0.11	0.63
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	18	0.6	0.07	0.6
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	18	0.55	0.01	0.55
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD21	18	0.55	0.36	0.42
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD23	18	0.55	0.36	0.42
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD22	18	0.55	0.36	0.42
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	18	0.54	0.08	0.55
(1,3055)	1:338:A:TRP:HZ2	1:339:A:ASP:HB3	18	0.54	0.08	0.55
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	18	0.52	0.01	0.52
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	18	0.51	0.01	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1966)	1:422:A:ILE:HD12	1:338:A:TRP:HB3	18	0.47	0.18	0.44
(1,1966)	1:422:A:ILE:HD13	1:338:A:TRP:HB3	18	0.47	0.18	0.44
(1,1966)	1:422:A:ILE:HD11	1:338:A:TRP:HB3	18	0.47	0.18	0.44
(1,2156)	1:336:A:LEU:HD21	1:338:A:TRP:HE1	18	0.46	0.2	0.41
(1,2156)	1:336:A:LEU:HD22	1:338:A:TRP:HE1	18	0.46	0.2	0.41
(1,2156)	1:336:A:LEU:HD23	1:338:A:TRP:HE1	18	0.46	0.2	0.41
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG12	18	0.44	0.1	0.47
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG13	18	0.44	0.1	0.47
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG11	18	0.44	0.1	0.47
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	18	0.44	0.15	0.47
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD13	18	0.44	0.12	0.46
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD12	18	0.44	0.12	0.46
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD11	18	0.44	0.12	0.46
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD22	18	0.4	0.05	0.42
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD21	18	0.4	0.05	0.42
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD23	18	0.4	0.05	0.42
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	18	0.39	0.05	0.39
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	18	0.38	0.18	0.3
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	18	0.38	0.18	0.3
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	18	0.37	0.11	0.43
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD23	18	0.36	0.11	0.35
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD21	18	0.36	0.11	0.35
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD22	18	0.36	0.11	0.35
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD23	18	0.35	0.08	0.35
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD21	18	0.35	0.08	0.35
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD22	18	0.35	0.08	0.35
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	18	0.34	0.17	0.3
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	18	0.34	0.11	0.32
(1,3134)	1:390:A:MET:HB3	1:393:A:ALA:H	18	0.34	0.11	0.32
(1,3134)	1:389:A:LYS:HB2	1:393:A:ALA:H	18	0.34	0.11	0.32
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD22	18	0.34	0.19	0.3
(1,2261)	1:336:A:LEU:HD13	1:430:A:LEU:HD23	18	0.34	0.19	0.3
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD21	18	0.34	0.19	0.3
(1,2261)	1:336:A:LEU:HD13	1:430:A:LEU:HD22	18	0.34	0.19	0.3
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD23	18	0.34	0.19	0.3
(1,2261)	1:336:A:LEU:HD11	1:430:A:LEU:HD21	18	0.34	0.19	0.3
(1,2261)	1:336:A:LEU:HD11	1:430:A:LEU:HD22	18	0.34	0.19	0.3
(1,2261)	1:336:A:LEU:HD11	1:430:A:LEU:HD23	18	0.34	0.19	0.3
(1,2261)	1:336:A:LEU:HD13	1:430:A:LEU:HD21	18	0.34	0.19	0.3
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	18	0.32	0.08	0.32
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	18	0.31	0.09	0.34
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG22	18	0.31	0.09	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG23	18	0.31	0.09	0.32
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG21	18	0.31	0.09	0.32
(1,503)	1:344:A:LEU:HD11	1:375:A:LEU:HG	18	0.29	0.06	0.29
(1,503)	1:344:A:LEU:HD13	1:375:A:LEU:HG	18	0.29	0.06	0.29
(1,503)	1:344:A:LEU:HD12	1:375:A:LEU:HG	18	0.29	0.06	0.29
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	18	0.28	0.09	0.26
(1,3159)	1:341:A:VAL:H	1:335:A:ARG:HB3	18	0.28	0.09	0.26
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG23	18	0.26	0.07	0.24
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG22	18	0.26	0.07	0.24
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG21	18	0.26	0.07	0.24
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD23	18	0.26	0.1	0.21
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD22	18	0.26	0.1	0.21
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD21	18	0.26	0.1	0.21
(1,257)	1:375:A:LEU:HD12	1:350:A:TYR:HE1	18	0.22	0.03	0.22
(1,257)	1:375:A:LEU:HD13	1:350:A:TYR:HE1	18	0.22	0.03	0.22
(1,257)	1:375:A:LEU:HD11	1:350:A:TYR:HE1	18	0.22	0.03	0.22
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD22	18	0.21	0.07	0.2
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD23	18	0.21	0.07	0.2
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD21	18	0.21	0.07	0.2
(1,3443)	1:411:A:LEU:HD21	1:413:A:PHE:HZ	18	0.21	0.07	0.2
(1,3443)	1:411:A:LEU:HD23	1:413:A:PHE:HZ	18	0.21	0.07	0.2
(1,3443)	1:411:A:LEU:HD22	1:413:A:PHE:HZ	18	0.21	0.07	0.2
(1,62)	1:375:A:LEU:HD11	1:340:A:TYR:HE2	18	0.21	0.05	0.2
(1,62)	1:375:A:LEU:HD12	1:340:A:TYR:HE2	18	0.21	0.05	0.2
(1,62)	1:375:A:LEU:HD13	1:340:A:TYR:HE2	18	0.21	0.05	0.2
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	18	0.2	0.05	0.2
(1,2235)	1:354:A:ILE:HD12	1:372:A:LEU:HD23	18	0.2	0.09	0.18
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD22	18	0.2	0.09	0.18
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD23	18	0.2	0.09	0.18
(1,2235)	1:354:A:ILE:HD13	1:372:A:LEU:HD23	18	0.2	0.09	0.18
(1,2235)	1:354:A:ILE:HD13	1:372:A:LEU:HD22	18	0.2	0.09	0.18
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD21	18	0.2	0.09	0.18
(1,2235)	1:354:A:ILE:HD12	1:372:A:LEU:HD22	18	0.2	0.09	0.18
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	18	0.2	0.05	0.19
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG23	18	0.2	0.05	0.19
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG22	18	0.2	0.05	0.19
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	18	0.19	0.02	0.2
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	18	0.19	0.05	0.18
(1,2888)	1:412:A:LEU:HD13	1:406:A:GLU:H	18	0.16	0.03	0.16
(1,2888)	1:412:A:LEU:HD11	1:406:A:GLU:H	18	0.16	0.03	0.16
(1,2888)	1:412:A:LEU:HD12	1:406:A:GLU:H	18	0.16	0.03	0.16
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	18	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3312)	1:429:A:ARG:HB3	1:429:A:ARG:HG2	18	0.15	0.02	0.15
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD13	18	0.14	0.02	0.15
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD11	18	0.14	0.02	0.15
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD12	18	0.14	0.02	0.15
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	17	1.41	0.33	1.51
(1,3549)	1:427:A:THR:HG23	1:426:A:ARG:HD3	17	1.28	0.24	1.35
(1,3549)	1:427:A:THR:HG21	1:426:A:ARG:HD3	17	1.28	0.24	1.35
(1,3549)	1:427:A:THR:HG22	1:426:A:ARG:HD2	17	1.28	0.24	1.35
(1,3549)	1:427:A:THR:HG21	1:426:A:ARG:HD2	17	1.28	0.24	1.35
(1,3549)	1:427:A:THR:HG22	1:426:A:ARG:HD3	17	1.28	0.24	1.35
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	17	0.91	0.3	0.65
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	17	0.84	0.2	0.78
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	17	0.79	0.06	0.79
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	17	0.77	0.01	0.77
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	17	0.71	0.14	0.66
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	17	0.64	0.06	0.67
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	17	0.61	0.3	0.67
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	17	0.61	0.11	0.63
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD2	17	0.61	0.11	0.63
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	17	0.6	0.22	0.61
(1,3146)	1:356:A:TRP:HB2	1:364:A:PHE:HB2	17	0.6	0.22	0.61
(1,553)	1:346:A:SER:HB2	1:347:A:ASP:HB3	17	0.59	0.35	0.63
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	17	0.59	0.35	0.63
(1,2155)	1:336:A:LEU:HD11	1:431:A:GLU:HB3	17	0.58	0.21	0.57
(1,2155)	1:336:A:LEU:HD12	1:431:A:GLU:HB3	17	0.58	0.21	0.57
(1,2155)	1:336:A:LEU:HD12	1:431:A:GLU:HB2	17	0.58	0.21	0.57
(1,2155)	1:336:A:LEU:HD11	1:431:A:GLU:HB2	17	0.58	0.21	0.57
(1,2155)	1:336:A:LEU:HD13	1:431:A:GLU:HB2	17	0.58	0.21	0.57
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	17	0.5	0.12	0.53
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	17	0.48	0.2	0.5
(1,3219)	1:365:A:ARG:HD2	1:409:A:GLN:HE22	17	0.48	0.2	0.5
(1,3219)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	17	0.48	0.2	0.5
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	17	0.41	0.02	0.41
(1,3430)	1:429:A:ARG:HG3	1:429:A:ARG:HA	17	0.41	0.02	0.41
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	17	0.38	0.14	0.39
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD13	17	0.32	0.11	0.3
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD11	17	0.32	0.11	0.3
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD12	17	0.32	0.11	0.3
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD22	17	0.28	0.09	0.28
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD21	17	0.28	0.09	0.28
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD23	17	0.28	0.09	0.28
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	17	0.27	0.11	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD11	17	0.27	0.04	0.27
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD13	17	0.27	0.04	0.27
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD12	17	0.27	0.04	0.27
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	17	0.27	0.11	0.28
(1,3520)	1:419:A:PRO:HA	1:338:A:TRP:HE3	17	0.27	0.11	0.28
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	17	0.25	0.07	0.23
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG2	17	0.25	0.07	0.23
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	17	0.24	0.1	0.23
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD12	17	0.23	0.07	0.22
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD11	17	0.23	0.07	0.22
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD13	17	0.23	0.07	0.22
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	17	0.21	0.06	0.23
(1,3336)	1:395:A:ARG:HG3	1:395:A:ARG:HD3	17	0.21	0.06	0.23
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD3	17	0.21	0.06	0.23
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	17	0.21	0.05	0.21
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD12	17	0.21	0.07	0.2
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD13	17	0.21	0.07	0.2
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD11	17	0.21	0.07	0.2
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD12	17	0.2	0.05	0.2
(1,650)	1:354:A:ILE:HG23	1:344:A:LEU:HD11	17	0.2	0.05	0.2
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD11	17	0.2	0.05	0.2
(1,650)	1:354:A:ILE:HG23	1:344:A:LEU:HD12	17	0.2	0.05	0.2
(1,650)	1:354:A:ILE:HG22	1:344:A:LEU:HD11	17	0.2	0.05	0.2
(1,650)	1:354:A:ILE:HG22	1:344:A:LEU:HD12	17	0.2	0.05	0.2
(1,650)	1:354:A:ILE:HG23	1:344:A:LEU:HD13	17	0.2	0.05	0.2
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD13	17	0.2	0.05	0.2
(1,3268)	1:372:A:LEU:HD21	1:375:A:LEU:HB2	17	0.2	0.05	0.2
(1,3268)	1:372:A:LEU:HD22	1:375:A:LEU:HB2	17	0.2	0.05	0.2
(1,3268)	1:372:A:LEU:HD12	1:375:A:LEU:HB2	17	0.2	0.05	0.2
(1,3268)	1:372:A:LEU:HD13	1:375:A:LEU:HB2	17	0.2	0.05	0.2
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG21	17	0.2	0.04	0.21
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG23	17	0.2	0.04	0.21
(1,3073)	1:364:A:PHE:HE2	1:341:A:VAL:HG21	17	0.2	0.04	0.21
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	17	0.2	0.04	0.21
(1,3073)	1:364:A:PHE:HE2	1:341:A:VAL:HG22	17	0.2	0.04	0.21
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG21	17	0.17	0.04	0.18
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG23	17	0.17	0.04	0.18
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG22	17	0.17	0.04	0.18
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	17	0.17	0.05	0.16
(1,1331)	1:389:A:LYS:HB3	1:389:A:LYS:HD2	17	0.17	0.05	0.16
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	17	0.17	0.07	0.15
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG22	17	0.17	0.04	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG21	17	0.17	0.04	0.16
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG23	17	0.17	0.04	0.16
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD11	17	0.15	0.04	0.14
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD13	17	0.15	0.04	0.14
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD12	17	0.15	0.04	0.14
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	17	0.13	0.02	0.13
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	16	2.54	0.88	2.6
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	16	1.63	0.77	1.47
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD11	16	1.18	0.83	0.97
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD12	16	1.18	0.83	0.97
(1,2255)	1:427:A:THR:HG23	1:430:A:LEU:HD12	16	1.18	0.83	0.97
(1,2255)	1:427:A:THR:HG22	1:430:A:LEU:HD12	16	1.18	0.83	0.97
(1,2255)	1:427:A:THR:HG22	1:430:A:LEU:HD11	16	1.18	0.83	0.97
(1,2255)	1:427:A:THR:HG23	1:430:A:LEU:HD13	16	1.18	0.83	0.97
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	16	1.05	0.48	1.05
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH21	16	1.05	0.48	1.05
(1,2260)	1:336:A:LEU:HD13	1:427:A:THR:HG21	16	0.78	0.14	0.8
(1,2260)	1:336:A:LEU:HD11	1:427:A:THR:HG22	16	0.78	0.14	0.8
(1,2260)	1:336:A:LEU:HD13	1:427:A:THR:HG23	16	0.78	0.14	0.8
(1,2260)	1:336:A:LEU:HD11	1:427:A:THR:HG23	16	0.78	0.14	0.8
(1,2260)	1:336:A:LEU:HD11	1:427:A:THR:HG21	16	0.78	0.14	0.8
(1,2260)	1:336:A:LEU:HD13	1:427:A:THR:HG22	16	0.78	0.14	0.8
(1,2260)	1:336:A:LEU:HD12	1:427:A:THR:HG21	16	0.78	0.14	0.8
(1,2260)	1:336:A:LEU:HD12	1:427:A:THR:HG22	16	0.78	0.14	0.8
(1,2260)	1:336:A:LEU:HD12	1:427:A:THR:HG23	16	0.78	0.14	0.8
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	16	0.75	0.12	0.8
(1,3503)	1:362:A:LYS:HE2	1:418:A:THR:H	16	0.66	0.19	0.64
(1,3503)	1:362:A:LYS:HE3	1:418:A:THR:H	16	0.66	0.19	0.64
(1,3503)	1:417:A:LYS:HE2	1:418:A:THR:H	16	0.66	0.19	0.64
(1,3503)	1:417:A:LYS:HE3	1:418:A:THR:H	16	0.66	0.19	0.64
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD21	16	0.61	0.51	0.38
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD23	16	0.61	0.51	0.38
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD22	16	0.61	0.51	0.38
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	16	0.45	0.01	0.45
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	16	0.43	0.05	0.44
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD2	16	0.43	0.05	0.44
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	16	0.38	0.19	0.53
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	16	0.29	0.01	0.29
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD1	16	0.28	0.12	0.26
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD2	16	0.28	0.12	0.26
(1,3488)	1:403:A:ILE:HG21	1:415:A:PHE:HD2	16	0.28	0.12	0.26
(1,3488)	1:403:A:ILE:HG22	1:415:A:PHE:HD2	16	0.28	0.12	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3488)	1:403:A:ILE:HG22	1:415:A:PHE:HD1	16	0.28	0.12	0.26
(1,1710)	1:410:A:ARG:HB2	1:410:A:ARG:HD3	16	0.28	0.1	0.26
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD2	16	0.28	0.1	0.26
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD3	16	0.28	0.1	0.26
(1,1710)	1:410:A:ARG:HB2	1:410:A:ARG:HD2	16	0.28	0.1	0.26
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	16	0.28	0.11	0.26
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	16	0.27	0.1	0.26
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	16	0.26	0.01	0.26
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	16	0.26	0.11	0.22
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	16	0.25	0.08	0.26
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	16	0.25	0.06	0.24
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	16	0.23	0.03	0.23
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD3	16	0.23	0.03	0.23
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG21	16	0.21	0.03	0.21
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG23	16	0.21	0.03	0.21
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG22	16	0.21	0.03	0.21
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB2	16	0.2	0.05	0.2
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB3	16	0.2	0.05	0.2
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB1	16	0.2	0.05	0.2
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	16	0.2	0.05	0.2
(1,258)	1:375:A:LEU:HD22	1:350:A:TYR:HE1	16	0.17	0.04	0.18
(1,258)	1:375:A:LEU:HD23	1:350:A:TYR:HE1	16	0.17	0.04	0.18
(1,258)	1:375:A:LEU:HD21	1:350:A:TYR:HE1	16	0.17	0.04	0.18
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG21	16	0.16	0.03	0.16
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG23	16	0.16	0.03	0.16
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG22	16	0.16	0.03	0.16
(1,3205)	1:363:A:ILE:HG21	1:414:A:ARG:HA	16	0.16	0.03	0.16
(1,3205)	1:363:A:ILE:HG23	1:414:A:ARG:HA	16	0.16	0.03	0.16
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	16	0.16	0.03	0.16
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD1	16	0.16	0.03	0.16
(1,815)	1:360:A:GLU:HB3	1:360:A:GLU:HG2	16	0.15	0.02	0.15
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	16	0.15	0.02	0.15
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG2	16	0.15	0.02	0.15
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG22	16	0.15	0.04	0.14
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG21	16	0.15	0.04	0.14
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG23	16	0.15	0.04	0.14
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	16	0.14	0.02	0.13
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	16	0.13	0.02	0.12
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	15	1.16	1.71	0.13
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	15	0.78	0.37	0.68
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE3	15	0.66	0.27	0.56
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE2	15	0.66	0.27	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	15	0.38	0.07	0.4
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	15	0.34	0.14	0.36
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB1	15	0.31	0.13	0.31
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB2	15	0.31	0.13	0.31
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB3	15	0.31	0.13	0.31
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD12	15	0.29	0.46	0.17
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	15	0.29	0.46	0.17
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD11	15	0.29	0.46	0.17
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB1	15	0.28	0.12	0.26
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB2	15	0.28	0.12	0.26
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB3	15	0.28	0.12	0.26
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	15	0.24	0.08	0.23
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	15	0.21	0.06	0.21
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	15	0.2	0.07	0.19
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG22	15	0.19	0.06	0.2
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG23	15	0.19	0.06	0.2
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG21	15	0.19	0.06	0.2
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	15	0.17	0.03	0.17
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG2	15	0.16	0.01	0.17
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG3	15	0.16	0.01	0.17
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	15	0.15	0.02	0.16
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	15	0.12	0.02	0.12
(1,642)	1:354:A:ILE:HG22	1:364:A:PHE:HD1	14	2.57	0.62	2.72
(1,642)	1:354:A:ILE:HG21	1:364:A:PHE:HD1	14	2.57	0.62	2.72
(1,642)	1:354:A:ILE:HG23	1:364:A:PHE:HD1	14	2.57	0.62	2.72
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	14	0.81	0.33	0.94
(1,3368)	1:349:A:ARG:HA	1:350:A:TYR:HE1	14	0.81	0.33	0.94
(1,3518)	1:427:A:THR:HG23	1:431:A:GLU:HG3	14	0.58	0.37	0.45
(1,3518)	1:427:A:THR:HG21	1:431:A:GLU:HG3	14	0.58	0.37	0.45
(1,3518)	1:427:A:THR:HG22	1:431:A:GLU:HG3	14	0.58	0.37	0.45
(1,3518)	1:418:A:THR:HG22	1:421:A:GLU:HB2	14	0.58	0.37	0.45
(1,3518)	1:418:A:THR:HG23	1:421:A:GLU:HB2	14	0.58	0.37	0.45
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	14	0.52	0.08	0.52
(1,544)	1:345:A:LEU:HD22	1:364:A:PHE:HE2	14	0.5	0.09	0.52
(1,544)	1:345:A:LEU:HD23	1:364:A:PHE:HE2	14	0.5	0.09	0.52
(1,544)	1:345:A:LEU:HD21	1:364:A:PHE:HE2	14	0.5	0.09	0.52
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	14	0.37	0.12	0.4
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	14	0.32	0.04	0.32
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD23	14	0.32	0.17	0.26
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD21	14	0.32	0.17	0.26
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD22	14	0.32	0.17	0.26
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD21	14	0.28	0.1	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD22	14	0.28	0.1	0.32
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD23	14	0.28	0.1	0.32
(1,818)	1:360:A:GLU:HG3	1:359:A:LYS:HB2	14	0.27	0.17	0.22
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	14	0.27	0.17	0.22
(1,3492)	1:416:A:MET:HG3	1:404:A:ARG:HG2	14	0.26	0.11	0.24
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	14	0.26	0.11	0.24
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD22	14	0.26	0.15	0.2
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	14	0.26	0.15	0.2
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD23	14	0.26	0.15	0.2
(1,3383)	1:399:A:LYS:HE3	1:400:A:LEU:HD23	14	0.26	0.15	0.2
(1,3383)	1:399:A:LYS:HE3	1:400:A:LEU:HD21	14	0.26	0.15	0.2
(1,3383)	1:399:A:LYS:HE3	1:400:A:LEU:HD22	14	0.26	0.15	0.2
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	14	0.25	0.14	0.22
(1,2228)	1:366:A:ILE:HG21	1:411:A:LEU:HD22	14	0.25	0.05	0.24
(1,2228)	1:366:A:ILE:HG21	1:411:A:LEU:HD23	14	0.25	0.05	0.24
(1,2228)	1:366:A:ILE:HG22	1:411:A:LEU:HD21	14	0.25	0.05	0.24
(1,2228)	1:366:A:ILE:HG22	1:411:A:LEU:HD22	14	0.25	0.05	0.24
(1,2228)	1:366:A:ILE:HG23	1:411:A:LEU:HD22	14	0.25	0.05	0.24
(1,2228)	1:366:A:ILE:HG22	1:411:A:LEU:HD23	14	0.25	0.05	0.24
(1,2228)	1:366:A:ILE:HG23	1:411:A:LEU:HD23	14	0.25	0.05	0.24
(1,2228)	1:366:A:ILE:HG21	1:411:A:LEU:HD21	14	0.25	0.05	0.24
(1,2228)	1:366:A:ILE:HG23	1:411:A:LEU:HD21	14	0.25	0.05	0.24
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	14	0.2	0.13	0.15
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD12	14	0.19	0.06	0.18
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD11	14	0.19	0.06	0.18
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD13	14	0.19	0.06	0.18
(1,375)	1:337:A:LEU:HD13	1:393:A:ALA:HB2	14	0.19	0.07	0.16
(1,375)	1:337:A:LEU:HD11	1:393:A:ALA:HB3	14	0.19	0.07	0.16
(1,375)	1:337:A:LEU:HD13	1:393:A:ALA:HB3	14	0.19	0.07	0.16
(1,375)	1:337:A:LEU:HD11	1:393:A:ALA:HB2	14	0.19	0.07	0.16
(1,375)	1:337:A:LEU:HD13	1:393:A:ALA:HB1	14	0.19	0.07	0.16
(1,375)	1:337:A:LEU:HD12	1:393:A:ALA:HB2	14	0.19	0.07	0.16
(1,375)	1:337:A:LEU:HD12	1:393:A:ALA:HB3	14	0.19	0.07	0.16
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	14	0.12	0.01	0.12
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	14	0.1	0.0	0.1
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	13	2.92	0.08	2.93
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD13	13	2.8	0.02	2.8
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD11	13	2.8	0.02	2.8
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD12	13	2.8	0.02	2.8
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	13	2.25	0.03	2.25
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	13	2.18	0.08	2.21
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	13	2.16	0.03	2.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,653)	1:354:A:ILE:HD13	1:364:A:PHE:HD1	13	1.96	0.04	1.95
(1,653)	1:354:A:ILE:HD12	1:364:A:PHE:HD1	13	1.96	0.04	1.95
(1,653)	1:354:A:ILE:HD11	1:364:A:PHE:HD1	13	1.96	0.04	1.95
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	13	1.9	0.03	1.9
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG22	13	1.88	0.04	1.87
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG23	13	1.88	0.04	1.87
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG21	13	1.88	0.04	1.87
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	13	1.75	0.03	1.75
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	13	1.64	0.32	1.77
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	13	1.63	0.1	1.65
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	13	1.47	0.04	1.46
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	13	1.36	0.05	1.35
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	13	1.33	0.09	1.35
(1,2941)	1:364:A:PHE:HE1	1:354:A:ILE:HD13	13	1.2	0.05	1.2
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD12	13	1.2	0.05	1.2
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD11	13	1.2	0.05	1.2
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD13	13	1.2	0.05	1.2
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	13	1.19	0.36	1.35
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD12	13	1.17	0.09	1.17
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD13	13	1.17	0.09	1.17
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD11	13	1.17	0.09	1.17
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	13	1.16	0.04	1.17
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	13	1.08	0.05	1.07
(1,3715)	1:401:A:ASN:HD21	1:426:A:ARG:HB2	13	0.83	0.45	0.81
(1,3715)	1:401:A:ASN:HD21	1:399:A:LYS:HB3	13	0.83	0.45	0.81
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	13	0.77	0.04	0.77
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	13	0.53	0.18	0.61
(1,3281)	1:374:A:ARG:HG2	1:371:A:GLY:HA3	13	0.53	0.17	0.56
(1,3281)	1:335:A:ARG:HG3	1:340:A:TYR:HA	13	0.53	0.17	0.56
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	13	0.51	0.59	0.13
(1,1557)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	13	0.46	0.69	0.14
(1,1557)	1:403:A:ILE:HG22	1:413:A:PHE:HD2	13	0.46	0.69	0.14
(1,1557)	1:403:A:ILE:HG23	1:413:A:PHE:HD2	13	0.46	0.69	0.14
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	13	0.37	0.08	0.36
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG22	13	0.37	0.08	0.36
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	13	0.37	0.08	0.36
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	13	0.35	0.12	0.34
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE3	13	0.35	0.12	0.34
(1,3374)	1:389:A:LYS:HE2	1:384:A:ASN:HD22	13	0.35	0.12	0.34
(1,3569)	1:430:A:LEU:HB2	1:336:A:LEU:HD11	13	0.33	0.06	0.31
(1,3569)	1:336:A:LEU:HB2	1:336:A:LEU:HD11	13	0.33	0.06	0.31
(1,3569)	1:336:A:LEU:HB2	1:336:A:LEU:HD13	13	0.33	0.06	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3569)	1:430:A:LEU:HB2	1:336:A:LEU:HD12	13	0.33	0.06	0.31
(1,3569)	1:430:A:LEU:HB2	1:336:A:LEU:HD13	13	0.33	0.06	0.31
(1,3569)	1:336:A:LEU:HB2	1:336:A:LEU:HD12	13	0.33	0.06	0.31
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	13	0.31	0.08	0.33
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	13	0.28	0.01	0.28
(1,3572)	1:336:A:LEU:HD23	1:376:A:TRP:HH2	13	0.24	0.14	0.18
(1,3572)	1:336:A:LEU:HD21	1:376:A:TRP:HH2	13	0.24	0.14	0.18
(1,3572)	1:336:A:LEU:HD22	1:376:A:TRP:HH2	13	0.24	0.14	0.18
(1,3572)	1:336:A:LEU:HD21	1:338:A:TRP:HD1	13	0.24	0.14	0.18
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	13	0.23	0.04	0.23
(1,3466)	1:414:A:ARG:HB3	1:414:A:ARG:HG2	13	0.22	0.05	0.24
(1,3466)	1:414:A:ARG:HB3	1:404:A:ARG:HG2	13	0.22	0.05	0.24
(1,2017)	1:427:A:THR:HG21	1:338:A:TRP:HD1	13	0.22	0.1	0.16
(1,2017)	1:427:A:THR:HG22	1:338:A:TRP:HD1	13	0.22	0.1	0.16
(1,2017)	1:427:A:THR:HG23	1:338:A:TRP:HD1	13	0.22	0.1	0.16
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	13	0.21	0.08	0.2
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	13	0.21	0.02	0.2
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	13	0.19	0.08	0.2
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	13	0.18	0.05	0.17
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD13	13	0.17	0.05	0.17
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD12	13	0.17	0.05	0.17
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD11	13	0.17	0.05	0.17
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	13	0.16	0.04	0.16
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD22	13	0.14	0.02	0.14
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD21	13	0.14	0.02	0.14
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD23	13	0.14	0.02	0.14
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	13	0.13	0.02	0.13
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	13	0.11	0.01	0.11
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	12	1.17	0.33	1.25
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	12	0.91	0.05	0.9
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	12	0.62	0.21	0.57
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	12	0.6	0.25	0.52
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	12	0.5	0.12	0.5
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	12	0.5	0.12	0.5
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB1	12	0.5	0.12	0.5
(1,3322)	1:391:A:SER:HB2	1:394:A:LEU:HB2	12	0.4	0.1	0.4
(1,3322)	1:391:A:SER:HB3	1:395:A:ARG:HG2	12	0.4	0.1	0.4
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG3	12	0.37	0.11	0.42
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG2	12	0.37	0.11	0.42
(1,2251)	1:363:A:ILE:HD13	1:412:A:LEU:HD11	12	0.34	0.38	0.22
(1,2251)	1:363:A:ILE:HD12	1:412:A:LEU:HD12	12	0.34	0.38	0.22
(1,2251)	1:363:A:ILE:HD11	1:412:A:LEU:HD12	12	0.34	0.38	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2251)	1:363:A:ILE:HD12	1:412:A:LEU:HD11	12	0.34	0.38	0.22
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD22	12	0.32	0.12	0.34
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD21	12	0.32	0.12	0.34
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD23	12	0.32	0.12	0.34
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	12	0.29	0.05	0.3
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	12	0.27	0.15	0.29
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	12	0.27	0.11	0.25
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	12	0.25	0.01	0.25
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	12	0.22	0.08	0.19
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD21	12	0.22	0.08	0.19
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD23	12	0.22	0.08	0.19
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	12	0.21	0.04	0.21
(1,3409)	1:414:A:ARG:HB3	1:404:A:ARG:HD2	12	0.21	0.04	0.21
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	12	0.19	0.04	0.2
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	12	0.19	0.1	0.18
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	12	0.18	0.02	0.18
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	12	0.17	0.03	0.17
(1,2249)	1:366:A:ILE:HD13	1:411:A:LEU:HD23	12	0.16	0.06	0.14
(1,2249)	1:366:A:ILE:HD12	1:411:A:LEU:HD21	12	0.16	0.06	0.14
(1,2249)	1:366:A:ILE:HD13	1:411:A:LEU:HD22	12	0.16	0.06	0.14
(1,2249)	1:366:A:ILE:HD13	1:411:A:LEU:HD21	12	0.16	0.06	0.14
(1,2249)	1:366:A:ILE:HD11	1:411:A:LEU:HD23	12	0.16	0.06	0.14
(1,2249)	1:366:A:ILE:HD12	1:411:A:LEU:HD23	12	0.16	0.06	0.14
(1,2249)	1:366:A:ILE:HD12	1:411:A:LEU:HD22	12	0.16	0.06	0.14
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	12	0.16	0.06	0.13
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	12	0.15	0.03	0.14
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG21	12	0.12	0.02	0.12
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG23	12	0.12	0.02	0.12
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	12	0.12	0.02	0.12
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	12	0.11	0.01	0.11
(1,912)	1:363:A:ILE:HG23	1:414:A:ARG:HD2	11	1.1	0.16	1.08
(1,912)	1:363:A:ILE:HG22	1:414:A:ARG:HD2	11	1.1	0.16	1.08
(1,912)	1:363:A:ILE:HG21	1:414:A:ARG:HD2	11	1.1	0.16	1.08
(1,3597)	1:432:A:HIS:HD2	1:430:A:LEU:HB3	11	0.75	0.19	0.76
(1,3597)	1:432:A:HIS:HD2	1:433:A:LEU:HG	11	0.75	0.19	0.76
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH11	11	0.72	0.3	0.75
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH21	11	0.72	0.3	0.75
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	11	0.69	0.04	0.7
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	11	0.62	0.49	0.59
(1,3381)	1:400:A:LEU:HD13	1:397:A:TYR:HB3	11	0.61	0.2	0.68
(1,3381)	1:400:A:LEU:HD11	1:397:A:TYR:HB3	11	0.61	0.2	0.68
(1,3381)	1:400:A:LEU:HD12	1:429:A:ARG:HD2	11	0.61	0.2	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3381)	1:400:A:LEU:HD12	1:429:A:ARG:HD3	11	0.61	0.2	0.68
(1,3381)	1:400:A:LEU:HD11	1:429:A:ARG:HD2	11	0.61	0.2	0.68
(1,3381)	1:400:A:LEU:HD13	1:429:A:ARG:HD2	11	0.61	0.2	0.68
(1,3381)	1:400:A:LEU:HD12	1:397:A:TYR:HB3	11	0.61	0.2	0.68
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	11	0.52	0.15	0.54
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	11	0.49	0.02	0.48
(1,3187)	1:362:A:LYS:HB2	1:361:A:SER:H	11	0.44	0.33	0.29
(1,3187)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	11	0.44	0.33	0.29
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	11	0.3	0.22	0.25
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	11	0.26	0.08	0.3
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG21	11	0.24	0.06	0.23
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG23	11	0.24	0.06	0.23
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG22	11	0.24	0.06	0.23
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	11	0.23	0.0	0.23
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	11	0.23	0.15	0.17
(1,3500)	1:417:A:LYS:H	1:417:A:LYS:HD3	11	0.23	0.15	0.17
(1,3303)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	11	0.22	0.07	0.24
(1,3303)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	11	0.22	0.07	0.24
(1,3303)	1:360:A:GLU:HG3	1:359:A:LYS:HB2	11	0.22	0.07	0.24
(1,3303)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	11	0.22	0.07	0.24
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD13	11	0.22	0.07	0.2
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD11	11	0.22	0.07	0.2
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD12	11	0.22	0.07	0.2
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	11	0.2	0.05	0.19
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	11	0.2	0.07	0.16
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	11	0.19	0.05	0.17
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HB3	11	0.19	0.05	0.17
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG21	11	0.19	0.1	0.16
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG23	11	0.19	0.1	0.16
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG22	11	0.19	0.1	0.16
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	11	0.18	0.04	0.18
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	11	0.17	0.01	0.17
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	11	0.17	0.06	0.16
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	11	0.17	0.04	0.16
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD11	11	0.17	0.03	0.17
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD13	11	0.17	0.03	0.17
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD12	11	0.17	0.03	0.17
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB2	11	0.16	0.03	0.16
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB3	11	0.16	0.03	0.16
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB1	11	0.16	0.03	0.16
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	11	0.15	0.03	0.14
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG23	11	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG21	11	0.14	0.03	0.14
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG22	11	0.14	0.03	0.14
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	11	0.14	0.02	0.13
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB3	11	0.14	0.02	0.13
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB2	11	0.14	0.02	0.13
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	11	0.13	0.03	0.12
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	10	1.16	0.39	1.33
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	10	0.62	0.2	0.68
(1,3579)	1:410:A:ARG:HD2	1:410:A:ARG:HA	10	0.56	0.28	0.64
(1,3579)	1:432:A:HIS:HB3	1:429:A:ARG:HA	10	0.56	0.28	0.64
(1,3579)	1:429:A:ARG:HA	1:429:A:ARG:HD3	10	0.56	0.28	0.64
(1,3579)	1:410:A:ARG:HA	1:410:A:ARG:HD3	10	0.56	0.28	0.64
(1,3579)	1:429:A:ARG:HA	1:429:A:ARG:HD2	10	0.56	0.28	0.64
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HD2	10	0.49	0.37	0.34
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HB3	10	0.49	0.37	0.34
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	10	0.43	0.02	0.43
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	10	0.41	0.01	0.42
(1,3429)	1:382:A:ARG:HB2	1:380:A:LYS:HE2	10	0.41	0.35	0.22
(1,3429)	1:357:A:GLU:HB3	1:358:A:ASP:HB3	10	0.41	0.35	0.22
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	10	0.37	0.16	0.37
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD23	10	0.33	0.17	0.28
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD22	10	0.33	0.17	0.28
(1,3580)	1:397:A:TYR:HA	1:397:A:TYR:HB2	10	0.31	0.0	0.31
(1,3580)	1:381:A:ASN:HB2	1:381:A:ASN:HA	10	0.31	0.0	0.31
(1,3451)	1:412:A:LEU:HD13	1:365:A:ARG:HD3	10	0.27	0.27	0.19
(1,3451)	1:412:A:LEU:HD12	1:365:A:ARG:HD3	10	0.27	0.27	0.19
(1,3451)	1:412:A:LEU:HD11	1:365:A:ARG:HD3	10	0.27	0.27	0.19
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	10	0.26	0.08	0.26
(1,694)	1:426:A:ARG:HD2	1:401:A:ASN:HD21	10	0.25	0.13	0.18
(1,694)	1:426:A:ARG:HD3	1:401:A:ASN:HD21	10	0.25	0.13	0.18
(1,2902)	1:430:A:LEU:HD11	1:430:A:LEU:H	10	0.25	0.24	0.18
(1,2902)	1:430:A:LEU:HD12	1:430:A:LEU:H	10	0.25	0.24	0.18
(1,2902)	1:430:A:LEU:HD13	1:430:A:LEU:H	10	0.25	0.24	0.18
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	10	0.23	0.09	0.2
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD2	10	0.2	0.06	0.18
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD3	10	0.2	0.06	0.18
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	10	0.2	0.08	0.16
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD21	10	0.2	0.08	0.16
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD23	10	0.2	0.08	0.16
(1,443)	1:337:A:LEU:HD22	1:341:A:VAL:HG11	10	0.19	0.06	0.18
(1,443)	1:337:A:LEU:HD21	1:341:A:VAL:HG13	10	0.19	0.06	0.18
(1,443)	1:337:A:LEU:HD23	1:341:A:VAL:HG11	10	0.19	0.06	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,443)	1:337:A:LEU:HD21	1:341:A:VAL:HG11	10	0.19	0.06	0.18
(1,443)	1:337:A:LEU:HD23	1:341:A:VAL:HG12	10	0.19	0.06	0.18
(1,443)	1:337:A:LEU:HD22	1:341:A:VAL:HG12	10	0.19	0.06	0.18
(1,443)	1:337:A:LEU:HD22	1:341:A:VAL:HG13	10	0.19	0.06	0.18
(1,443)	1:337:A:LEU:HD21	1:341:A:VAL:HG12	10	0.19	0.06	0.18
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	10	0.18	0.06	0.18
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	10	0.14	0.06	0.12
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	10	0.13	0.01	0.13
(1,3478)	1:415:A:PHE:HE2	1:356:A:TRP:HZ3	9	1.59	1.64	0.15
(1,1209)	1:376:A:TRP:HZ3	1:380:A:LYS:HD2	9	1.12	0.25	1.08
(1,3562)	1:433:A:LEU:HD21	1:432:A:HIS:HB2	9	0.79	0.22	0.7
(1,3562)	1:433:A:LEU:HD23	1:432:A:HIS:HB2	9	0.79	0.22	0.7
(1,3562)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	9	0.79	0.22	0.7
(1,3562)	1:430:A:LEU:HD23	1:397:A:TYR:HB3	9	0.79	0.22	0.7
(1,1798)	1:414:A:ARG:HD2	1:414:A:ARG:HH12	9	0.56	0.13	0.58
(1,3202)	1:363:A:ILE:HD13	1:414:A:ARG:HH21	9	0.44	0.22	0.45
(1,3202)	1:363:A:ILE:HD13	1:414:A:ARG:HH11	9	0.44	0.22	0.45
(1,3202)	1:363:A:ILE:HD12	1:414:A:ARG:HH11	9	0.44	0.22	0.45
(1,3202)	1:363:A:ILE:HD11	1:414:A:ARG:HH21	9	0.44	0.22	0.45
(1,3202)	1:363:A:ILE:HD11	1:414:A:ARG:HH11	9	0.44	0.22	0.45
(1,3335)	1:392:A:ARG:HB2	1:392:A:ARG:HD3	9	0.39	0.22	0.27
(1,3335)	1:392:A:ARG:HB3	1:392:A:ARG:HD2	9	0.39	0.22	0.27
(1,2203)	1:433:A:LEU:HD21	1:432:A:HIS:HB2	9	0.38	0.59	0.15
(1,2203)	1:433:A:LEU:HD23	1:432:A:HIS:HB2	9	0.38	0.59	0.15
(1,2203)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	9	0.38	0.59	0.15
(1,3434)	1:355:A:ARG:HD2	1:351:A:GLU:HB2	9	0.34	0.23	0.29
(1,3434)	1:355:A:ARG:HD2	1:357:A:GLU:HG2	9	0.34	0.23	0.29
(1,3434)	1:355:A:ARG:HD3	1:351:A:GLU:HB2	9	0.34	0.23	0.29
(1,3434)	1:355:A:ARG:HD3	1:357:A:GLU:HG2	9	0.34	0.23	0.29
(1,3195)	1:363:A:ILE:HA	1:414:A:ARG:HD2	9	0.32	0.17	0.36
(1,2961)	1:340:A:TYR:HD1	1:379:A:HIS:HE1	9	0.28	0.14	0.31
(1,2961)	1:340:A:TYR:H	1:340:A:TYR:HD1	9	0.28	0.14	0.31
(1,1856)	1:417:A:LYS:HD2	1:422:A:ILE:HG13	9	0.24	0.05	0.25
(1,1999)	1:426:A:ARG:HD2	1:426:A:ARG:HB3	9	0.22	0.05	0.24
(1,2060)	1:431:A:GLU:HA	1:432:A:HIS:HD2	9	0.2	0.04	0.19
(1,2043)	1:430:A:LEU:HB2	1:427:A:THR:HB	9	0.2	0.2	0.12
(1,2912)	1:375:A:LEU:HB2	1:376:A:TRP:HB3	9	0.19	0.06	0.18
(1,1133)	1:374:A:ARG:HB2	1:374:A:ARG:HD2	9	0.19	0.05	0.19
(1,79)	1:433:A:LEU:H	1:432:A:HIS:HB2	9	0.18	0.04	0.2
(1,1245)	1:382:A:ARG:HB2	1:382:A:ARG:HD2	9	0.17	0.08	0.12
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD22	9	0.16	0.04	0.16
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD21	9	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD23	9	0.16	0.04	0.16
(1,3410)	1:404:A:ARG:HG3	1:404:A:ARG:HD2	9	0.15	0.03	0.15
(1,3410)	1:392:A:ARG:HG2	1:392:A:ARG:HD2	9	0.15	0.03	0.15
(1,3410)	1:392:A:ARG:HG2	1:392:A:ARG:HD3	9	0.15	0.03	0.15
(1,1103)	1:341:A:VAL:HG12	1:372:A:LEU:HD13	9	0.15	0.02	0.16
(1,1103)	1:341:A:VAL:HG12	1:372:A:LEU:HD11	9	0.15	0.02	0.16
(1,1103)	1:341:A:VAL:HG13	1:372:A:LEU:HD11	9	0.15	0.02	0.16
(1,1103)	1:341:A:VAL:HG12	1:372:A:LEU:HD12	9	0.15	0.02	0.16
(1,1103)	1:341:A:VAL:HG13	1:372:A:LEU:HD12	9	0.15	0.02	0.16
(1,1103)	1:341:A:VAL:HG13	1:372:A:LEU:HD13	9	0.15	0.02	0.16
(1,1103)	1:341:A:VAL:HG11	1:372:A:LEU:HD12	9	0.15	0.02	0.16
(1,2044)	1:430:A:LEU:H	1:430:A:LEU:HB3	9	0.12	0.02	0.12
(1,1938)	1:342:A:TYR:HA	1:345:A:LEU:HG	9	0.11	0.01	0.11
(1,3221)	1:355:A:ARG:HD2	1:357:A:GLU:HG3	8	1.18	0.55	1.04
(1,3221)	1:410:A:ARG:HD3	1:409:A:GLN:HG2	8	1.18	0.55	1.04
(1,3221)	1:392:A:ARG:HD2	1:388:A:GLU:HG3	8	1.18	0.55	1.04
(1,3221)	1:410:A:ARG:HD2	1:409:A:GLN:HG2	8	1.18	0.55	1.04
(1,2815)	1:436:A:GLN:HE22	1:435:A:SER:HB2	8	1.1	0.5	1.03
(1,2815)	1:436:A:GLN:HE22	1:435:A:SER:HB3	8	1.1	0.5	1.03
(1,1378)	1:392:A:ARG:HA	1:392:A:ARG:HD2	8	1.04	0.48	1.37
(1,820)	1:360:A:GLU:H	1:360:A:GLU:HG2	8	0.79	0.12	0.8
(1,2023)	1:428:A:ASP:HB2	1:429:A:ARG:HG3	8	0.57	0.61	0.24
(1,2262)	1:336:A:LEU:HD13	1:430:A:LEU:HD13	8	0.44	0.4	0.34
(1,2262)	1:336:A:LEU:HD11	1:430:A:LEU:HD11	8	0.44	0.4	0.34
(1,2262)	1:336:A:LEU:HD13	1:430:A:LEU:HD12	8	0.44	0.4	0.34
(1,2262)	1:336:A:LEU:HD13	1:430:A:LEU:HD11	8	0.44	0.4	0.34
(1,3292)	1:356:A:TRP:HD1	1:359:A:LYS:HE2	8	0.43	0.17	0.4
(1,3292)	1:361:A:SER:H	1:358:A:ASP:HB2	8	0.43	0.17	0.4
(1,3292)	1:356:A:TRP:HD1	1:359:A:LYS:HE3	8	0.43	0.17	0.4
(1,3050)	1:338:A:TRP:HD1	1:336:A:LEU:HB2	8	0.38	0.26	0.26
(1,3633)	1:343:A:GLN:HE22	1:335:A:ARG:HD2	8	0.38	0.19	0.34
(1,3633)	1:343:A:GLN:HE22	1:335:A:ARG:HD3	8	0.38	0.19	0.34
(1,1784)	1:414:A:ARG:HB2	1:414:A:ARG:HE	8	0.33	0.07	0.35
(1,3207)	1:357:A:GLU:HG3	1:363:A:ILE:HG23	8	0.32	0.16	0.32
(1,3207)	1:357:A:GLU:HG3	1:363:A:ILE:HG22	8	0.32	0.16	0.32
(1,809)	1:392:A:ARG:HA	1:392:A:ARG:HD2	8	0.31	0.11	0.29
(1,809)	1:392:A:ARG:HA	1:392:A:ARG:HD3	8	0.31	0.11	0.29
(1,3114)	1:337:A:LEU:HB2	1:393:A:ALA:H	8	0.3	0.14	0.26
(1,1478)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	8	0.3	0.15	0.24
(1,1478)	1:399:A:LYS:HE2	1:400:A:LEU:HD23	8	0.3	0.15	0.24
(1,1478)	1:399:A:LYS:HE3	1:400:A:LEU:HD22	8	0.3	0.15	0.24
(1,2595)	1:384:A:ASN:HD21	1:384:A:ASN:HB2	8	0.26	0.02	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,350)	1:335:A:ARG:HD2	1:379:A:HIS:HE1	8	0.26	0.08	0.24
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD11	8	0.23	0.07	0.23
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD13	8	0.23	0.07	0.23
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD12	8	0.23	0.07	0.23
(1,1804)	1:414:A:ARG:HG3	1:414:A:ARG:HD3	8	0.22	0.01	0.22
(1,1438)	1:395:A:ARG:HG2	1:395:A:ARG:HD2	8	0.2	0.01	0.2
(1,1752)	1:409:A:GLN:HB3	1:412:A:LEU:HB3	8	0.18	0.06	0.16
(1,1472)	1:399:A:LYS:HD2	1:398:A:TYR:H	8	0.16	0.08	0.12
(1,2946)	1:415:A:PHE:HB2	1:362:A:LYS:HD3	8	0.15	0.04	0.15
(1,2946)	1:415:A:PHE:HB2	1:362:A:LYS:HD2	8	0.15	0.04	0.15
(1,278)	1:387:A:TYR:HD2	1:387:A:TYR:H	8	0.13	0.02	0.13
(1,1284)	1:385:A:MET:H	1:385:A:MET:HG3	8	0.12	0.03	0.12
(1,1284)	1:385:A:MET:H	1:385:A:MET:HG2	8	0.12	0.03	0.12
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB1	8	0.12	0.02	0.12
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB3	8	0.12	0.02	0.12
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB2	8	0.12	0.02	0.12
(1,322)	1:413:A:PHE:HD1	1:413:A:PHE:HA	8	0.12	0.01	0.12
(1,2195)	1:430:A:LEU:H	1:429:A:ARG:HA	8	0.12	0.01	0.12
(1,987)	1:367:A:VAL:HA	1:367:A:VAL:HG22	8	0.11	0.01	0.11
(1,987)	1:367:A:VAL:HA	1:367:A:VAL:HG21	8	0.11	0.01	0.11
(1,2075)	1:436:A:GLN:HE22	1:433:A:LEU:HA	7	1.07	0.19	1.1
(1,1373)	1:392:A:ARG:HB2	1:391:A:SER:H	7	0.95	0.06	0.91
(1,2207)	1:429:A:ARG:HA	1:433:A:LEU:HD21	7	0.93	0.99	0.54
(1,2207)	1:429:A:ARG:HA	1:433:A:LEU:HD23	7	0.93	0.99	0.54
(1,2207)	1:429:A:ARG:HA	1:433:A:LEU:HD22	7	0.93	0.99	0.54
(1,3116)	1:354:A:ILE:HG22	1:340:A:TYR:HE2	7	0.91	0.07	0.92
(1,3116)	1:354:A:ILE:HG21	1:340:A:TYR:HE2	7	0.91	0.07	0.92
(1,3156)	1:356:A:TRP:HE3	1:415:A:PHE:HE2	7	0.82	0.22	0.68
(1,3156)	1:356:A:TRP:HE3	1:364:A:PHE:HD1	7	0.82	0.22	0.68
(1,3593)	1:429:A:ARG:HD2	1:400:A:LEU:HD23	7	0.74	0.39	0.53
(1,3593)	1:429:A:ARG:HD2	1:400:A:LEU:HD22	7	0.74	0.39	0.53
(1,3593)	1:400:A:LEU:HD23	1:426:A:ARG:HD3	7	0.74	0.39	0.53
(1,3593)	1:429:A:ARG:HD3	1:400:A:LEU:HD21	7	0.74	0.39	0.53
(1,1374)	1:392:A:ARG:H	1:392:A:ARG:HB2	7	0.58	0.05	0.56
(1,2065)	1:431:A:GLU:HG2	1:428:A:ASP:HA	7	0.5	0.35	0.32
(1,3188)	1:362:A:LYS:HG3	1:415:A:PHE:HD2	7	0.46	0.27	0.43
(1,854)	1:362:A:LYS:H	1:362:A:LYS:HG3	7	0.41	0.2	0.53
(1,1375)	1:392:A:ARG:HA	1:392:A:ARG:HG2	7	0.37	0.01	0.37
(1,597)	1:349:A:ARG:HD2	1:349:A:ARG:HB2	7	0.36	0.08	0.37
(1,1842)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	7	0.35	0.08	0.37
(1,1842)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	7	0.35	0.08	0.37
(1,2637)	1:393:A:ALA:H	1:392:A:ARG:HB3	7	0.33	0.08	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,151)	1:364:A:PHE:HD1	1:364:A:PHE:HB3	7	0.27	0.02	0.27
(1,2840)	1:349:A:ARG:H	1:349:A:ARG:HD2	7	0.26	0.09	0.23
(1,1222)	1:380:A:LYS:HE2	1:380:A:LYS:HG3	7	0.25	0.01	0.25
(1,771)	1:358:A:ASP:HB3	1:363:A:ILE:HB	7	0.23	0.06	0.26
(1,825)	1:363:A:ILE:H	1:361:A:SER:HB3	7	0.21	0.08	0.19
(1,1696)	1:409:A:GLN:HB3	1:409:A:GLN:HG2	7	0.2	0.04	0.21
(1,1696)	1:409:A:GLN:HB3	1:409:A:GLN:HG3	7	0.2	0.04	0.21
(1,2433)	1:358:A:ASP:H	1:358:A:ASP:HB3	7	0.2	0.01	0.2
(1,2454)	1:361:A:SER:H	1:360:A:GLU:HG2	7	0.2	0.09	0.15
(1,2454)	1:361:A:SER:H	1:360:A:GLU:HG3	7	0.2	0.09	0.15
(1,3201)	1:358:A:ASP:HB3	1:363:A:ILE:HG12	7	0.18	0.06	0.19
(1,2033)	1:429:A:ARG:HG2	1:429:A:ARG:HD2	7	0.18	0.01	0.19
(1,2305)	1:340:A:TYR:H	1:339:A:ASP:HB2	7	0.18	0.03	0.19
(1,3060)	1:338:A:TRP:HZ3	1:402:A:ILE:HG23	7	0.18	0.06	0.15
(1,3060)	1:338:A:TRP:HZ3	1:422:A:ILE:HG13	7	0.18	0.06	0.15
(1,3060)	1:338:A:TRP:HZ3	1:402:A:ILE:HG21	7	0.18	0.06	0.15
(1,577)	1:347:A:ASP:HA	1:348:A:SER:HB3	7	0.17	0.04	0.18
(1,152)	1:364:A:PHE:HD2	1:364:A:PHE:HB2	7	0.16	0.02	0.17
(1,2896)	1:414:A:ARG:H	1:403:A:ILE:HG21	7	0.16	0.03	0.17
(1,2896)	1:414:A:ARG:H	1:403:A:ILE:HG22	7	0.16	0.03	0.17
(1,2896)	1:414:A:ARG:H	1:403:A:ILE:HG23	7	0.16	0.03	0.17
(1,1289)	1:386:A:THR:H	1:386:A:THR:HG23	7	0.16	0.02	0.17
(1,1289)	1:386:A:THR:H	1:386:A:THR:HG21	7	0.16	0.02	0.17
(1,1289)	1:386:A:THR:H	1:386:A:THR:HG22	7	0.16	0.02	0.17
(1,2976)	1:349:A:ARG:H	1:350:A:TYR:HD2	7	0.15	0.04	0.16
(1,1586)	1:404:A:ARG:HG3	1:404:A:ARG:HD3	7	0.15	0.01	0.15
(1,2484)	1:365:A:ARG:H	1:355:A:ARG:HD2	7	0.15	0.03	0.15
(1,2921)	1:396:A:HIS:HA	1:400:A:LEU:HD13	7	0.14	0.02	0.14
(1,2921)	1:396:A:HIS:HA	1:400:A:LEU:HD11	7	0.14	0.02	0.14
(1,2921)	1:396:A:HIS:HA	1:400:A:LEU:HD12	7	0.14	0.02	0.14
(1,1706)	1:410:A:ARG:H	1:410:A:ARG:HB2	7	0.14	0.04	0.12
(1,2130)	1:356:A:TRP:HH2	1:362:A:LYS:HD2	7	0.13	0.02	0.13
(1,83)	1:432:A:HIS:HB2	1:432:A:HIS:HD2	7	0.12	0.01	0.12
(1,1305)	1:388:A:GLU:HB3	1:391:A:SER:HB3	6	0.53	0.1	0.51
(1,1368)	1:391:A:SER:HB2	1:390:A:MET:H	6	0.5	0.12	0.5
(1,588)	1:349:A:ARG:HG2	1:350:A:TYR:HA	6	0.46	0.06	0.45
(1,1624)	1:405:A:LYS:HE2	1:413:A:PHE:HE2	6	0.41	0.41	0.15
(1,2597)	1:384:A:ASN:HD22	1:383:A:THR:HG23	6	0.39	0.12	0.38
(1,2597)	1:384:A:ASN:HD22	1:383:A:THR:HG22	6	0.39	0.12	0.38
(1,2597)	1:384:A:ASN:HD22	1:383:A:THR:HG21	6	0.39	0.12	0.38
(1,3505)	1:405:A:LYS:HE2	1:413:A:PHE:HA	6	0.36	0.16	0.36
(1,3505)	1:417:A:LYS:HE2	1:417:A:LYS:HA	6	0.36	0.16	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3505)	1:417:A:LYS:HE3	1:417:A:LYS:HA	6	0.36	0.16	0.36
(1,3178)	1:356:A:TRP:HE3	1:359:A:LYS:HD2	6	0.36	0.19	0.3
(1,3178)	1:356:A:TRP:HE3	1:359:A:LYS:HD3	6	0.36	0.19	0.3
(1,1629)	1:405:A:LYS:HD3	1:405:A:LYS:HE2	6	0.32	0.01	0.32
(1,3075)	1:335:A:ARG:HD2	1:343:A:GLN:HG2	6	0.28	0.09	0.26
(1,3075)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	6	0.28	0.09	0.26
(1,1004)	1:367:A:VAL:HG23	1:365:A:ARG:HB3	6	0.26	0.14	0.24
(1,1004)	1:367:A:VAL:HG22	1:365:A:ARG:HB3	6	0.26	0.14	0.24
(1,1004)	1:367:A:VAL:HG21	1:365:A:ARG:HB3	6	0.26	0.14	0.24
(1,2170)	1:353:A:PHE:H	1:353:A:PHE:HD2	6	0.26	0.16	0.18
(1,2620)	1:391:A:SER:H	1:391:A:SER:HB2	6	0.26	0.01	0.26
(1,1132)	1:374:A:ARG:HB3	1:374:A:ARG:HD3	6	0.24	0.09	0.22
(1,2264)	1:376:A:TRP:HE1	1:380:A:LYS:HD2	6	0.24	0.09	0.24
(1,1308)	1:388:A:GLU:HA	1:388:A:GLU:HG3	6	0.23	0.06	0.25
(1,1308)	1:388:A:GLU:HA	1:388:A:GLU:HG2	6	0.23	0.06	0.25
(1,1202)	1:380:A:LYS:HA	1:380:A:LYS:HG2	6	0.21	0.04	0.2
(1,3435)	1:347:A:ASP:HB2	1:343:A:GLN:HE22	6	0.2	0.06	0.2
(1,3435)	1:365:A:ARG:HD2	1:412:A:LEU:H	6	0.2	0.06	0.2
(1,2113)	1:435:A:SER:HB2	1:435:A:SER:HA	6	0.19	0.18	0.11
(1,1311)	1:389:A:LYS:HA	1:388:A:GLU:HG2	6	0.15	0.03	0.14
(1,1311)	1:389:A:LYS:HA	1:388:A:GLU:HG3	6	0.15	0.03	0.14
(1,174)	1:415:A:PHE:HA	1:404:A:ARG:H	6	0.14	0.03	0.14
(1,1343)	1:390:A:MET:HG2	1:390:A:MET:HA	6	0.14	0.01	0.14
(1,2239)	1:366:A:ILE:HD13	1:394:A:LEU:HD12	6	0.13	0.01	0.12
(1,2239)	1:366:A:ILE:HD11	1:394:A:LEU:HD13	6	0.13	0.01	0.12
(1,2239)	1:366:A:ILE:HD13	1:394:A:LEU:HD13	6	0.13	0.01	0.12
(1,2239)	1:366:A:ILE:HD11	1:394:A:LEU:HD11	6	0.13	0.01	0.12
(1,2239)	1:366:A:ILE:HD12	1:394:A:LEU:HD12	6	0.13	0.01	0.12
(1,1661)	1:406:A:GLU:HA	1:407:A:PRO:HD2	6	0.12	0.03	0.12
(1,2106)	1:434:A:GLU:HG3	1:434:A:GLU:HA	6	0.12	0.01	0.12
(1,3674)	1:363:A:ILE:H	1:363:A:ILE:HD13	6	0.12	0.01	0.12
(1,3674)	1:363:A:ILE:H	1:363:A:ILE:HD11	6	0.12	0.01	0.12
(1,3674)	1:363:A:ILE:H	1:363:A:ILE:HD12	6	0.12	0.01	0.12
(1,1178)	1:378:A:ASN:HD21	1:378:A:ASN:HB3	6	0.12	0.01	0.12
(1,868)	1:361:A:SER:H	1:362:A:LYS:HD2	5	1.64	0.07	1.64
(1,3380)	1:379:A:HIS:HE1	1:335:A:ARG:HG2	5	0.73	0.18	0.77
(1,3380)	1:379:A:HIS:HE1	1:335:A:ARG:HG3	5	0.73	0.18	0.77
(1,2087)	1:433:A:LEU:HD21	1:434:A:GLU:HG2	5	0.63	0.11	0.58
(1,2087)	1:433:A:LEU:HD23	1:434:A:GLU:HG2	5	0.63	0.11	0.58
(1,1636)	1:406:A:GLU:HG3	1:414:A:ARG:H	5	0.48	0.24	0.49
(1,3584)	1:365:A:ARG:HD3	1:412:A:LEU:H	5	0.39	0.13	0.48
(1,3584)	1:350:A:TYR:HE1	1:349:A:ARG:HD3	5	0.39	0.13	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,24)	1:376:A:TRP:HD1	1:380:A:LYS:HE2	5	0.37	0.46	0.15
(1,3371)	1:399:A:LYS:HG3	1:398:A:TYR:H	5	0.24	0.09	0.27
(1,3490)	1:416:A:MET:HB3	1:417:A:LYS:HG3	5	0.24	0.09	0.28
(1,3490)	1:416:A:MET:HB2	1:417:A:LYS:HB3	5	0.24	0.09	0.28
(1,3490)	1:416:A:MET:HB3	1:417:A:LYS:HG2	5	0.24	0.09	0.28
(1,2329)	1:338:A:TRP:H	1:336:A:LEU:HD13	5	0.22	0.09	0.16
(1,2329)	1:338:A:TRP:H	1:336:A:LEU:HD12	5	0.22	0.09	0.16
(1,348)	1:335:A:ARG:HD2	1:343:A:GLN:HG2	5	0.22	0.08	0.2
(1,348)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	5	0.22	0.08	0.2
(1,833)	1:358:A:ASP:HB3	1:361:A:SER:HB3	5	0.21	0.04	0.19
(1,3362)	1:395:A:ARG:HG3	1:395:A:ARG:HD2	5	0.2	0.05	0.24
(1,3362)	1:395:A:ARG:HB3	1:395:A:ARG:HD2	5	0.2	0.05	0.24
(1,2983)	1:350:A:TYR:HE2	1:349:A:ARG:HD3	5	0.2	0.07	0.22
(1,2983)	1:350:A:TYR:HE1	1:349:A:ARG:HD3	5	0.2	0.07	0.22
(1,3216)	1:365:A:ARG:HG2	1:412:A:LEU:HA	5	0.19	0.07	0.15
(1,510)	1:340:A:TYR:HE1	1:344:A:LEU:HD21	5	0.18	0.03	0.18
(1,510)	1:340:A:TYR:HE1	1:344:A:LEU:HD23	5	0.18	0.03	0.18
(1,510)	1:340:A:TYR:HE1	1:344:A:LEU:HD22	5	0.18	0.03	0.18
(1,2805)	1:434:A:GLU:H	1:434:A:GLU:HG3	5	0.17	0.02	0.17
(1,2649)	1:398:A:TYR:H	1:403:A:ILE:HG21	5	0.16	0.03	0.14
(1,2649)	1:398:A:TYR:H	1:403:A:ILE:HG22	5	0.16	0.03	0.14
(1,1782)	1:363:A:ILE:HG21	1:414:A:ARG:HA	5	0.15	0.04	0.15
(1,1782)	1:363:A:ILE:HG22	1:414:A:ARG:HA	5	0.15	0.04	0.15
(1,1782)	1:363:A:ILE:HG23	1:414:A:ARG:HA	5	0.15	0.04	0.15
(1,3067)	1:338:A:TRP:H	1:341:A:VAL:HG13	5	0.15	0.04	0.15
(1,3067)	1:338:A:TRP:H	1:341:A:VAL:HG11	5	0.15	0.04	0.15
(1,3067)	1:338:A:TRP:H	1:341:A:VAL:HG12	5	0.15	0.04	0.15
(1,1519)	1:402:A:ILE:HG12	1:402:A:ILE:HG23	5	0.15	0.04	0.15
(1,1519)	1:402:A:ILE:HG12	1:402:A:ILE:HG22	5	0.15	0.04	0.15
(1,3589)	1:344:A:LEU:HD13	1:350:A:TYR:HD1	5	0.14	0.03	0.16
(1,3589)	1:344:A:LEU:HD11	1:350:A:TYR:HD1	5	0.14	0.03	0.16
(1,3589)	1:344:A:LEU:HD12	1:350:A:TYR:HD1	5	0.14	0.03	0.16
(1,2231)	1:372:A:LEU:HD13	1:344:A:LEU:HD12	5	0.14	0.05	0.1
(1,2231)	1:372:A:LEU:HD11	1:344:A:LEU:HD11	5	0.14	0.05	0.1
(1,2231)	1:372:A:LEU:HD11	1:344:A:LEU:HD12	5	0.14	0.05	0.1
(1,2231)	1:372:A:LEU:HD12	1:344:A:LEU:HD11	5	0.14	0.05	0.1
(1,2231)	1:372:A:LEU:HD12	1:344:A:LEU:HD13	5	0.14	0.05	0.1
(1,2963)	1:340:A:TYR:HD2	1:375:A:LEU:HB3	5	0.13	0.03	0.12
(1,2963)	1:340:A:TYR:HD1	1:343:A:GLN:HB3	5	0.13	0.03	0.12
(1,1564)	1:397:A:TYR:HB3	1:403:A:ILE:HD12	5	0.12	0.02	0.12
(1,1564)	1:397:A:TYR:HB3	1:403:A:ILE:HD13	5	0.12	0.02	0.12
(1,3433)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	5	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3433)	1:392:A:ARG:HG3	1:392:A:ARG:HD3	5	0.12	0.01	0.12
(1,3526)	1:375:A:LEU:HA	1:375:A:LEU:HG	5	0.11	0.01	0.12
(1,1315)	1:389:A:LYS:H	1:389:A:LYS:HG2	5	0.11	0.01	0.11
(1,1071)	1:342:A:TYR:HB3	1:356:A:TRP:HZ2	5	0.11	0.01	0.1
(1,1811)	1:415:A:PHE:HE2	1:345:A:LEU:HD23	4	3.26	0.1	3.28
(1,1811)	1:415:A:PHE:HE2	1:345:A:LEU:HD22	4	3.26	0.1	3.28
(1,1811)	1:415:A:PHE:HE2	1:345:A:LEU:HD21	4	3.26	0.1	3.28
(1,1535)	1:402:A:ILE:HG21	1:415:A:PHE:HE1	4	3.16	0.13	3.22
(1,1535)	1:402:A:ILE:HG23	1:415:A:PHE:HE1	4	3.16	0.13	3.22
(1,1535)	1:402:A:ILE:HG22	1:415:A:PHE:HE1	4	3.16	0.13	3.22
(1,1819)	1:402:A:ILE:HG21	1:415:A:PHE:HD1	4	3.03	0.08	3.06
(1,1819)	1:402:A:ILE:HG23	1:415:A:PHE:HD1	4	3.03	0.08	3.06
(1,1819)	1:402:A:ILE:HG22	1:415:A:PHE:HD1	4	3.03	0.08	3.06
(1,3486)	1:356:A:TRP:HH2	1:415:A:PHE:HD2	4	2.7	0.06	2.72
(1,1818)	1:415:A:PHE:HD1	1:422:A:ILE:HD11	4	2.7	0.14	2.66
(1,1818)	1:415:A:PHE:HD1	1:422:A:ILE:HD13	4	2.7	0.14	2.66
(1,1818)	1:415:A:PHE:HD1	1:422:A:ILE:HD12	4	2.7	0.14	2.66
(1,1776)	1:414:A:ARG:HA	1:415:A:PHE:HD2	4	2.18	0.02	2.18
(1,733)	1:356:A:TRP:HZ3	1:415:A:PHE:HD2	4	2.14	0.06	2.15
(1,1598)	1:405:A:LYS:HA	1:406:A:GLU:HG3	4	1.8	0.04	1.81
(1,554)	1:346:A:SER:HB2	1:342:A:TYR:HD1	4	1.44	0.19	1.49
(1,1816)	1:415:A:PHE:HE2	1:415:A:PHE:H	4	1.43	0.04	1.42
(1,3481)	1:415:A:PHE:HE1	1:338:A:TRP:HB3	4	1.39	0.05	1.38
(1,1821)	1:415:A:PHE:HD1	1:416:A:MET:H	4	1.33	0.01	1.34
(1,2740)	1:417:A:LYS:H	1:415:A:PHE:HE1	4	1.3	0.08	1.32
(1,2069)	1:432:A:HIS:HA	1:435:A:SER:HB2	4	1.28	0.11	1.23
(1,1820)	1:415:A:PHE:H	1:415:A:PHE:HD2	4	0.9	0.02	0.89
(1,1307)	1:388:A:GLU:HG2	1:389:A:LYS:H	4	0.85	0.1	0.89
(1,232)	1:342:A:TYR:HE2	1:415:A:PHE:HD1	4	0.84	0.24	0.86
(1,1812)	1:415:A:PHE:HE2	1:341:A:VAL:HG23	4	0.78	0.03	0.78
(1,1812)	1:415:A:PHE:HE2	1:341:A:VAL:HG21	4	0.78	0.03	0.78
(1,3422)	1:406:A:GLU:HB2	1:407:A:PRO:HD2	4	0.78	0.08	0.81
(1,3422)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	4	0.78	0.08	0.81
(1,555)	1:346:A:SER:H	1:346:A:SER:HB2	4	0.73	0.02	0.73
(1,1814)	1:415:A:PHE:HE1	1:342:A:TYR:HE2	4	0.73	0.16	0.72
(1,848)	1:362:A:LYS:HB3	1:415:A:PHE:HD2	4	0.7	0.1	0.66
(1,2699)	1:406:A:GLU:H	1:406:A:GLU:HB3	4	0.52	0.01	0.52
(1,1859)	1:417:A:LYS:HD2	1:417:A:LYS:HB2	4	0.52	0.39	0.44
(1,2114)	1:435:A:SER:H	1:435:A:SER:HB2	4	0.5	0.02	0.5
(1,3189)	1:362:A:LYS:HG2	1:415:A:PHE:HD1	4	0.5	0.1	0.5
(1,3189)	1:362:A:LYS:HG2	1:415:A:PHE:HD2	4	0.5	0.1	0.5
(1,612)	1:351:A:GLU:HG2	1:352:A:ASN:H	4	0.49	0.1	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3185)	1:361:A:SER:H	1:362:A:LYS:HA	4	0.48	0.12	0.45
(1,2178)	1:362:A:LYS:HG3	1:362:A:LYS:HA	4	0.48	0.02	0.48
(1,2110)	1:434:A:GLU:HG3	1:393:A:ALA:HB3	4	0.48	0.13	0.52
(1,2110)	1:434:A:GLU:HG3	1:393:A:ALA:HB2	4	0.48	0.13	0.52
(1,2110)	1:434:A:GLU:HG3	1:393:A:ALA:HB1	4	0.48	0.13	0.52
(1,1407)	1:413:A:PHE:HE2	1:394:A:LEU:HD12	4	0.46	0.35	0.41
(1,1407)	1:413:A:PHE:HE2	1:394:A:LEU:HD11	4	0.46	0.35	0.41
(1,1407)	1:413:A:PHE:HE2	1:394:A:LEU:HD13	4	0.46	0.35	0.41
(1,1216)	1:380:A:LYS:HA	1:380:A:LYS:HE3	4	0.44	0.41	0.26
(1,2729)	1:414:A:ARG:HE	1:363:A:ILE:HG12	4	0.42	0.24	0.38
(1,3149)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	4	0.41	0.07	0.4
(1,2700)	1:406:A:GLU:H	1:406:A:GLU:HG3	4	0.36	0.01	0.36
(1,2103)	1:434:A:GLU:HB2	1:434:A:GLU:HG2	4	0.31	0.01	0.31
(1,2784)	1:426:A:ARG:H	1:426:A:ARG:HG2	4	0.29	0.07	0.3
(1,3191)	1:362:A:LYS:HG2	1:356:A:TRP:HH2	4	0.28	0.08	0.28
(1,3191)	1:362:A:LYS:HG2	1:356:A:TRP:HZ3	4	0.28	0.08	0.28
(1,2749)	1:418:A:THR:H	1:417:A:LYS:HB2	4	0.27	0.18	0.21
(1,1638)	1:406:A:GLU:HG3	1:413:A:PHE:HA	4	0.24	0.05	0.25
(1,3376)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	4	0.24	0.22	0.12
(1,3376)	1:400:A:LEU:HB2	1:400:A:LEU:HD23	4	0.24	0.22	0.12
(1,1291)	1:386:A:THR:HG23	1:389:A:LYS:HE2	4	0.23	0.11	0.21
(1,1291)	1:386:A:THR:HG22	1:389:A:LYS:HE2	4	0.23	0.11	0.21
(1,3379)	1:430:A:LEU:HG	1:427:A:THR:HA	4	0.22	0.1	0.19
(1,3379)	1:400:A:LEU:HG	1:400:A:LEU:HA	4	0.22	0.1	0.19
(1,853)	1:362:A:LYS:HB2	1:362:A:LYS:HD3	4	0.2	0.01	0.2
(1,1631)	1:406:A:GLU:HB2	1:406:A:GLU:HA	4	0.2	0.0	0.2
(1,3540)	1:338:A:TRP:HD1	1:422:A:ILE:HG23	4	0.19	0.07	0.18
(1,3540)	1:338:A:TRP:HD1	1:422:A:ILE:HG21	4	0.19	0.07	0.18
(1,3540)	1:338:A:TRP:HD1	1:422:A:ILE:HG22	4	0.19	0.07	0.18
(1,3750)	1:401:A:ASN:H	1:402:A:ILE:HG13	4	0.17	0.04	0.16
(1,1823)	1:415:A:PHE:HB2	1:415:A:PHE:HD2	4	0.17	0.0	0.17
(1,3398)	1:403:A:ILE:HD13	1:415:A:PHE:HZ	4	0.17	0.04	0.17
(1,3398)	1:403:A:ILE:HD11	1:415:A:PHE:HZ	4	0.17	0.04	0.17
(1,2247)	1:394:A:LEU:HD21	1:403:A:ILE:HG23	4	0.16	0.05	0.16
(1,2247)	1:394:A:LEU:HD23	1:403:A:ILE:HG22	4	0.16	0.05	0.16
(1,2247)	1:394:A:LEU:HD22	1:403:A:ILE:HG23	4	0.16	0.05	0.16
(1,2247)	1:394:A:LEU:HD22	1:403:A:ILE:HG22	4	0.16	0.05	0.16
(1,1794)	1:404:A:ARG:HG3	1:405:A:LYS:HA	4	0.15	0.07	0.12
(1,1627)	1:405:A:LYS:HE3	1:405:A:LYS:HG2	4	0.15	0.03	0.14
(1,2488)	1:365:A:ARG:H	1:345:A:LEU:HD23	4	0.14	0.01	0.15
(1,2488)	1:365:A:ARG:H	1:345:A:LEU:HD21	4	0.14	0.01	0.15
(1,334)	1:413:A:PHE:HZ	1:405:A:LYS:HD2	4	0.14	0.05	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,873)	1:362:A:LYS:HG3	1:362:A:LYS:HE2	4	0.14	0.03	0.14
(1,574)	1:348:A:SER:HA	1:351:A:GLU:HG2	4	0.13	0.02	0.12
(1,2724)	1:414:A:ARG:H	1:416:A:MET:H	4	0.12	0.02	0.12
(1,1516)	1:397:A:TYR:HB3	1:402:A:ILE:HB	4	0.12	0.01	0.12
(1,3754)	1:402:A:ILE:H	1:402:A:ILE:HD12	4	0.12	0.0	0.12
(1,3754)	1:402:A:ILE:H	1:402:A:ILE:HD11	4	0.12	0.0	0.12
(1,542)	1:345:A:LEU:H	1:345:A:LEU:HD22	4	0.12	0.02	0.12
(1,542)	1:345:A:LEU:H	1:345:A:LEU:HD21	4	0.12	0.02	0.12
(1,542)	1:345:A:LEU:H	1:345:A:LEU:HD23	4	0.12	0.02	0.12
(1,606)	1:351:A:GLU:HA	1:355:A:ARG:HB3	4	0.12	0.01	0.12
(1,1628)	1:405:A:LYS:HG2	1:405:A:LYS:HE2	4	0.12	0.03	0.1
(1,1539)	1:403:A:ILE:HA	1:416:A:MET:HB2	4	0.12	0.01	0.11
(1,2885)	1:402:A:ILE:HD12	1:403:A:ILE:H	4	0.11	0.02	0.11
(1,2885)	1:402:A:ILE:HD11	1:403:A:ILE:H	4	0.11	0.02	0.11
(1,2885)	1:402:A:ILE:HD13	1:403:A:ILE:H	4	0.11	0.02	0.11
(1,415)	1:338:A:TRP:HZ3	1:342:A:TYR:HD2	4	0.11	0.01	0.11
(1,1722)	1:411:A:LEU:HB2	1:413:A:PHE:HE1	3	2.39	1.62	3.52
(1,2711)	1:410:A:ARG:H	1:410:A:ARG:HG2	3	0.62	0.19	0.58
(1,1475)	1:399:A:LYS:HA	1:399:A:LYS:HE2	3	0.57	0.11	0.61
(1,1865)	1:417:A:LYS:HD2	1:417:A:LYS:HE2	3	0.57	0.01	0.57
(1,2706)	1:409:A:GLN:HE21	1:410:A:ARG:HG2	3	0.57	0.41	0.38
(1,3385)	1:401:A:ASN:HB2	1:402:A:ILE:HG13	3	0.55	0.16	0.65
(1,3367)	1:374:A:ARG:HA	1:374:A:ARG:HE	3	0.54	0.26	0.63
(1,551)	1:346:A:SER:HA	1:346:A:SER:HB2	3	0.46	0.0	0.46
(1,805)	1:359:A:LYS:HE2	1:359:A:LYS:HG2	3	0.44	0.23	0.58
(1,805)	1:359:A:LYS:HE3	1:359:A:LYS:HG2	3	0.44	0.23	0.58
(1,615)	1:352:A:ASN:H	1:352:A:ASN:HB2	3	0.41	0.02	0.4
(1,2194)	1:395:A:ARG:HG2	1:395:A:ARG:HA	3	0.33	0.15	0.34
(1,98)	1:379:A:HIS:HD2	1:380:A:LYS:HD2	3	0.29	0.19	0.16
(1,3280)	1:392:A:ARG:HG3	1:389:A:LYS:HA	3	0.28	0.12	0.25
(1,3280)	1:395:A:ARG:HG3	1:392:A:ARG:HA	3	0.28	0.12	0.25
(1,2463)	1:362:A:LYS:H	1:362:A:LYS:HD2	3	0.28	0.06	0.25
(1,3131)	1:374:A:ARG:HG2	1:375:A:LEU:HD22	3	0.26	0.11	0.28
(1,3131)	1:374:A:ARG:HG2	1:375:A:LEU:HD23	3	0.26	0.11	0.28
(1,3029)	1:379:A:HIS:HE1	1:335:A:ARG:HG2	3	0.25	0.06	0.29
(1,3029)	1:379:A:HIS:HE1	1:335:A:ARG:HG3	3	0.25	0.06	0.29
(1,1597)	1:405:A:LYS:HA	1:405:A:LYS:HD3	3	0.22	0.08	0.19
(1,3557)	1:430:A:LEU:H	1:430:A:LEU:HD22	3	0.22	0.04	0.2
(1,3557)	1:430:A:LEU:H	1:430:A:LEU:HD21	3	0.22	0.04	0.2
(1,3563)	1:434:A:GLU:HG2	1:393:A:ALA:HB1	3	0.21	0.07	0.17
(1,3563)	1:421:A:GLU:HG2	1:417:A:LYS:HD3	3	0.21	0.07	0.17
(1,2243)	1:400:A:LEU:HD13	1:402:A:ILE:HD13	3	0.21	0.07	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2243)	1:400:A:LEU:HD12	1:402:A:ILE:HD12	3	0.21	0.07	0.22
(1,2243)	1:400:A:LEU:HD13	1:402:A:ILE:HD11	3	0.21	0.07	0.22
(1,82)	1:432:A:HIS:HD2	1:431:A:GLU:HB2	3	0.21	0.09	0.2
(1,2147)	1:336:A:LEU:HD11	1:338:A:TRP:HZ2	3	0.2	0.08	0.16
(1,2147)	1:336:A:LEU:HD13	1:338:A:TRP:HZ2	3	0.2	0.08	0.16
(1,3167)	1:359:A:LYS:HA	1:356:A:TRP:HD1	3	0.19	0.03	0.17
(1,3167)	1:361:A:SER:H	1:359:A:LYS:HA	3	0.19	0.03	0.17
(1,1486)	1:396:A:HIS:HE1	1:400:A:LEU:HD11	3	0.19	0.02	0.17
(1,1486)	1:396:A:HIS:HE1	1:400:A:LEU:HD13	3	0.19	0.02	0.17
(1,1486)	1:396:A:HIS:HE1	1:400:A:LEU:HD12	3	0.19	0.02	0.17
(1,3541)	1:338:A:TRP:HE3	1:422:A:ILE:HD13	3	0.17	0.04	0.15
(1,3541)	1:338:A:TRP:HE3	1:422:A:ILE:HD11	3	0.17	0.04	0.15
(1,3541)	1:338:A:TRP:HE3	1:422:A:ILE:HD12	3	0.17	0.04	0.15
(1,177)	1:413:A:PHE:HB3	1:364:A:PHE:H	3	0.17	0.02	0.16
(1,2914)	1:375:A:LEU:HD11	1:378:A:ASN:H	3	0.16	0.03	0.15
(1,2914)	1:375:A:LEU:HD12	1:378:A:ASN:H	3	0.16	0.03	0.15
(1,2981)	1:350:A:TYR:HE1	1:350:A:TYR:HA	3	0.16	0.06	0.13
(1,3502)	1:418:A:THR:H	1:417:A:LYS:HD3	3	0.16	0.06	0.13
(1,3617)	1:340:A:TYR:H	1:376:A:TRP:HE3	3	0.16	0.05	0.14
(1,2455)	1:361:A:SER:H	1:360:A:GLU:HB2	3	0.15	0.02	0.14
(1,3471)	1:341:A:VAL:HG11	1:415:A:PHE:HZ	3	0.15	0.03	0.16
(1,3471)	1:341:A:VAL:HG12	1:415:A:PHE:HZ	3	0.15	0.03	0.16
(1,1239)	1:381:A:ASN:HB3	1:382:A:ARG:HG2	3	0.14	0.01	0.14
(1,3707)	1:373:A:ALA:H	1:372:A:LEU:HD12	3	0.13	0.02	0.14
(1,3707)	1:373:A:ALA:H	1:372:A:LEU:HD13	3	0.13	0.02	0.14
(1,509)	1:340:A:TYR:HD1	1:344:A:LEU:HD21	3	0.13	0.01	0.13
(1,509)	1:340:A:TYR:HD1	1:344:A:LEU:HD22	3	0.13	0.01	0.13
(1,3722)	1:386:A:THR:H	1:388:A:GLU:H	3	0.13	0.02	0.12
(1,85)	1:432:A:HIS:HD2	1:430:A:LEU:HA	3	0.12	0.02	0.11
(1,3769)	1:414:A:ARG:H	1:403:A:ILE:HA	3	0.12	0.02	0.11
(1,3769)	1:414:A:ARG:H	1:415:A:PHE:HA	3	0.12	0.02	0.11
(1,2509)	1:370:A:ASN:HD22	1:370:A:ASN:HA	3	0.12	0.02	0.11
(1,3585)	1:366:A:ILE:HG21	1:372:A:LEU:HB2	3	0.12	0.01	0.12
(1,3585)	1:366:A:ILE:HG23	1:372:A:LEU:HB2	3	0.12	0.01	0.12
(1,440)	1:341:A:VAL:HA	1:341:A:VAL:HG13	3	0.11	0.0	0.11
(1,440)	1:341:A:VAL:HA	1:341:A:VAL:HG11	3	0.11	0.0	0.11
(1,440)	1:341:A:VAL:HA	1:341:A:VAL:HG12	3	0.11	0.0	0.11
(1,2515)	1:371:A:GLY:H	1:370:A:ASN:HB2	3	0.1	0.0	0.1
(1,324)	1:413:A:PHE:HD2	1:405:A:LYS:HB2	2	3.94	0.02	3.94
(1,945)	1:413:A:PHE:HE1	1:366:A:ILE:HG13	2	3.08	0.12	3.08
(1,958)	1:366:A:ILE:HB	1:413:A:PHE:HE1	2	3.02	0.12	3.02
(1,323)	1:413:A:PHE:HD1	1:366:A:ILE:HG13	2	3.0	0.09	3.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,915)	1:413:A:PHE:HD1	1:365:A:ARG:HA	2	2.9	0.01	2.9
(1,1594)	1:413:A:PHE:HD2	1:405:A:LYS:HA	2	2.88	0.22	2.88
(1,2490)	1:366:A:ILE:H	1:413:A:PHE:HE1	2	2.8	0.11	2.8
(1,1739)	1:413:A:PHE:HD1	1:412:A:LEU:HA	2	2.47	0.09	2.47
(1,2492)	1:366:A:ILE:H	1:413:A:PHE:HD1	2	2.46	0.12	2.46
(1,971)	1:366:A:ILE:HD13	1:413:A:PHE:HE1	2	2.42	0.13	2.42
(1,971)	1:366:A:ILE:HD12	1:413:A:PHE:HE1	2	2.42	0.13	2.42
(1,1393)	1:394:A:LEU:HB2	1:413:A:PHE:HE2	2	2.32	0.12	2.32
(1,1715)	1:411:A:LEU:HB3	1:413:A:PHE:HE1	2	2.3	0.09	2.3
(1,1394)	1:394:A:LEU:HB3	1:413:A:PHE:HE2	2	2.24	0.09	2.24
(1,1609)	1:405:A:LYS:HD2	1:413:A:PHE:HE2	2	2.14	0.44	2.14
(1,957)	1:413:A:PHE:HD1	1:366:A:ILE:HB	2	2.11	0.1	2.11
(1,328)	1:413:A:PHE:HE1	1:411:A:LEU:HD23	2	1.63	0.19	1.63
(1,328)	1:413:A:PHE:HE1	1:411:A:LEU:HD21	2	1.63	0.19	1.63
(1,3576)	1:413:A:PHE:HE2	1:405:A:LYS:HD3	2	1.58	0.02	1.58
(1,2826)	1:406:A:GLU:H	1:413:A:PHE:HD2	2	1.54	0.19	1.54
(1,1610)	1:413:A:PHE:HE2	1:405:A:LYS:HD3	2	1.44	0.02	1.44
(1,2297)	1:413:A:PHE:H	1:413:A:PHE:HD1	2	1.39	0.04	1.39
(1,330)	1:413:A:PHE:HE1	1:411:A:LEU:HA	2	1.32	0.06	1.32
(1,1762)	1:413:A:PHE:HD1	1:412:A:LEU:HD13	2	1.31	0.03	1.31
(1,693)	1:355:A:ARG:HB2	1:355:A:ARG:HD2	2	1.12	0.03	1.12
(1,2725)	1:414:A:ARG:H	1:413:A:PHE:HD2	2	1.08	0.04	1.08
(1,2223)	1:363:A:ILE:HD11	1:363:A:ILE:HG23	2	1.03	0.9	1.03
(1,2223)	1:363:A:ILE:HD11	1:363:A:ILE:HG21	2	1.03	0.9	1.03
(1,2054)	1:430:A:LEU:HD13	1:397:A:TYR:HA	2	0.86	0.72	0.86
(1,2054)	1:430:A:LEU:HD11	1:397:A:TYR:HA	2	0.86	0.72	0.86
(1,467)	1:343:A:GLN:HG2	1:344:A:LEU:HD12	2	0.84	0.12	0.84
(1,691)	1:355:A:ARG:HD2	1:356:A:TRP:H	2	0.8	0.04	0.8
(1,1226)	1:380:A:LYS:HE2	1:380:A:LYS:HB2	2	0.74	0.18	0.74
(1,1847)	1:417:A:LYS:HB2	1:422:A:ILE:HG13	2	0.72	0.03	0.72
(1,1850)	1:417:A:LYS:H	1:417:A:LYS:HG2	2	0.55	0.01	0.55
(1,798)	1:356:A:TRP:HE1	1:359:A:LYS:HD2	2	0.54	0.34	0.54
(1,1843)	1:417:A:LYS:HB2	1:421:A:GLU:HB2	2	0.52	0.32	0.52
(1,1163)	1:371:A:GLY:HA3	1:370:A:ASN:HD21	2	0.5	0.34	0.5
(1,1002)	1:355:A:ARG:HD2	1:367:A:VAL:HG22	2	0.42	0.06	0.42
(1,1002)	1:355:A:ARG:HD2	1:367:A:VAL:HG23	2	0.42	0.06	0.42
(1,709)	1:356:A:TRP:HD1	1:359:A:LYS:HE2	2	0.37	0.08	0.37
(1,803)	1:356:A:TRP:HZ2	1:359:A:LYS:HE2	2	0.36	0.01	0.36
(1,2295)	1:413:A:PHE:H	1:413:A:PHE:HE1	2	0.36	0.05	0.36
(1,711)	1:356:A:TRP:HD1	1:359:A:LYS:HD3	2	0.32	0.01	0.32
(1,1967)	1:417:A:LYS:HB2	1:422:A:ILE:HD11	2	0.3	0.01	0.3
(1,1967)	1:417:A:LYS:HB2	1:422:A:ILE:HD12	2	0.3	0.01	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3424)	1:409:A:GLN:HB3	1:412:A:LEU:HD23	2	0.29	0.01	0.29
(1,2036)	1:433:A:LEU:HA	1:436:A:GLN:HG2	2	0.29	0.18	0.29
(1,2036)	1:433:A:LEU:HA	1:436:A:GLN:HG3	2	0.29	0.18	0.29
(1,3286)	1:370:A:ASN:HB3	1:369:A:PRO:HG2	2	0.28	0.16	0.28
(1,794)	1:359:A:LYS:HA	1:359:A:LYS:HD3	2	0.24	0.08	0.24
(1,2869)	1:375:A:LEU:H	1:375:A:LEU:HD12	2	0.23	0.03	0.23
(1,904)	1:363:A:ILE:HD12	1:414:A:ARG:HD3	2	0.23	0.01	0.23
(1,904)	1:363:A:ILE:HD13	1:414:A:ARG:HD3	2	0.23	0.01	0.23
(1,345)	1:335:A:ARG:HG2	1:336:A:LEU:H	2	0.22	0.01	0.22
(1,1200)	1:380:A:LYS:HG2	1:376:A:TRP:HE1	2	0.21	0.08	0.21
(1,900)	1:361:A:SER:HA	1:363:A:ILE:HD13	2	0.2	0.03	0.2
(1,900)	1:361:A:SER:HA	1:363:A:ILE:HD11	2	0.2	0.03	0.2
(1,944)	1:365:A:ARG:HB2	1:365:A:ARG:HE	2	0.2	0.0	0.2
(1,465)	1:344:A:LEU:H	1:343:A:GLN:HG2	2	0.2	0.04	0.2
(1,2134)	1:340:A:TYR:H	1:336:A:LEU:HB3	2	0.2	0.0	0.2
(1,3091)	1:345:A:LEU:HD13	1:364:A:PHE:HZ	2	0.2	0.09	0.2
(1,3091)	1:345:A:LEU:HD11	1:364:A:PHE:HE2	2	0.2	0.09	0.2
(1,3253)	1:342:A:TYR:HB3	1:343:A:GLN:HA	2	0.18	0.02	0.18
(1,2121)	1:436:A:GLN:HA	1:436:A:GLN:HG2	2	0.18	0.06	0.18
(1,3762)	1:409:A:GLN:HE22	1:357:A:GLU:HB3	2	0.18	0.04	0.18
(1,461)	1:343:A:GLN:HG2	1:343:A:GLN:HB2	2	0.18	0.03	0.18
(1,461)	1:343:A:GLN:HG3	1:343:A:GLN:HB2	2	0.18	0.03	0.18
(1,1299)	1:388:A:GLU:HA	1:391:A:SER:HB3	2	0.18	0.0	0.18
(1,3190)	1:362:A:LYS:HG3	1:356:A:TRP:HH2	2	0.17	0.06	0.17
(1,341)	1:335:A:ARG:HA	1:335:A:ARG:HG2	2	0.16	0.02	0.16
(1,931)	1:365:A:ARG:HG2	1:367:A:VAL:HG22	2	0.16	0.0	0.16
(1,931)	1:365:A:ARG:HG2	1:367:A:VAL:HG23	2	0.16	0.0	0.16
(1,3772)	1:417:A:LYS:H	1:362:A:LYS:HE3	2	0.16	0.06	0.16
(1,3772)	1:417:A:LYS:H	1:417:A:LYS:HE3	2	0.16	0.06	0.16
(1,3325)	1:392:A:ARG:HA	1:395:A:ARG:HB2	2	0.16	0.02	0.16
(1,3325)	1:389:A:LYS:HA	1:389:A:LYS:HD2	2	0.16	0.02	0.16
(1,751)	1:358:A:ASP:H	1:357:A:GLU:HB3	2	0.15	0.02	0.15
(1,3043)	1:337:A:LEU:HD21	1:376:A:TRP:HH2	2	0.15	0.02	0.15
(1,796)	1:360:A:GLU:H	1:359:A:LYS:HD3	2	0.14	0.01	0.14
(1,941)	1:365:A:ARG:HG3	1:365:A:ARG:HD3	2	0.14	0.01	0.14
(1,1838)	1:417:A:LYS:HB2	1:422:A:ILE:H	2	0.14	0.02	0.14
(1,2324)	1:338:A:TRP:H	1:397:A:TYR:HE1	2	0.14	0.02	0.14
(1,828)	1:436:A:GLN:H	1:435:A:SER:HB2	2	0.13	0.01	0.13
(1,1588)	1:405:A:LYS:H	1:404:A:ARG:HD3	2	0.13	0.02	0.13
(1,618)	1:352:A:ASN:HD22	1:352:A:ASN:HB3	2	0.12	0.01	0.12
(1,2098)	1:435:A:SER:H	1:434:A:GLU:HA	2	0.12	0.01	0.12
(1,2550)	1:377:A:GLY:H	1:382:A:ARG:HB2	2	0.12	0.02	0.12

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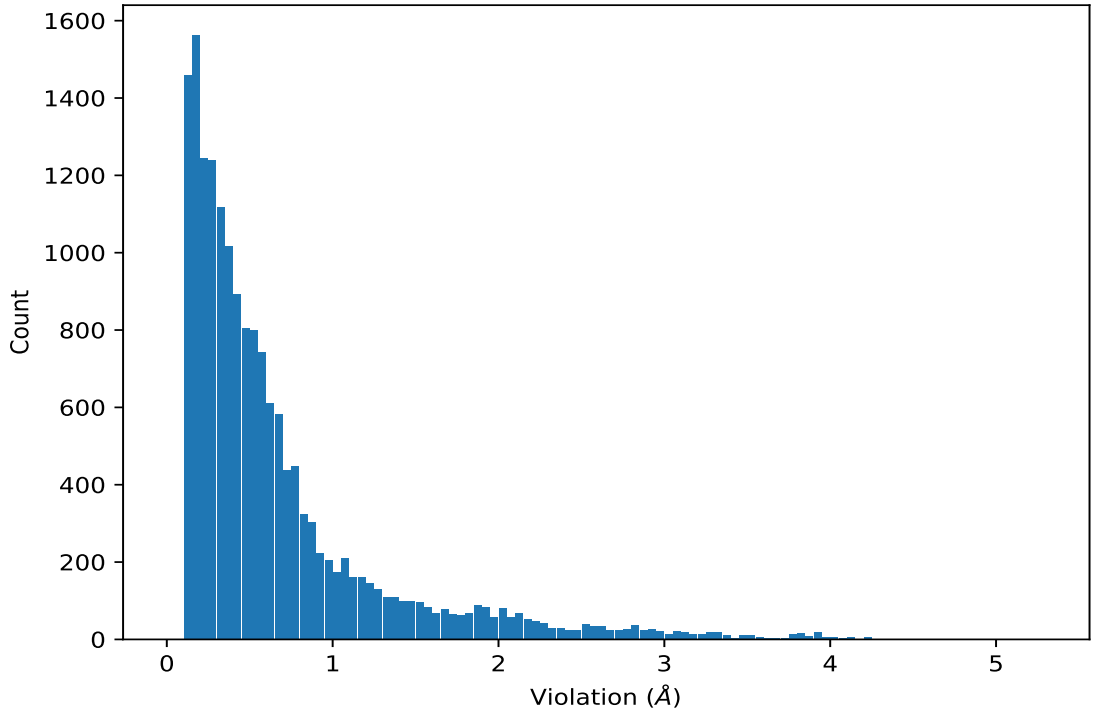
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1012)	1:368:A:ASP:H	1:368:A:ASP:HB2	2	0.12	0.0	0.12
(1,1055)	1:371:A:GLY:H	1:369:A:PRO:HG2	2	0.12	0.01	0.12
(1,2328)	1:338:A:TRP:H	1:336:A:LEU:HB2	2	0.12	0.0	0.12
(1,3464)	1:414:A:ARG:HG2	1:414:A:ARG:HA	2	0.12	0.0	0.12
(1,2364)	1:347:A:ASP:H	1:346:A:SER:HB2	2	0.11	0.0	0.11
(1,100)	1:379:A:HIS:HD2	1:380:A:LYS:HG3	2	0.11	0.0	0.11
(1,394)	1:376:A:TRP:HD1	1:337:A:LEU:HD21	2	0.11	0.0	0.11
(1,640)	1:354:A:ILE:H	1:354:A:ILE:HG21	2	0.11	0.0	0.11
(1,640)	1:354:A:ILE:H	1:354:A:ILE:HG23	2	0.11	0.0	0.11
(1,2850)	1:355:A:ARG:H	1:367:A:VAL:HG23	2	0.11	0.0	0.11
(1,2850)	1:355:A:ARG:H	1:367:A:VAL:HG21	2	0.11	0.0	0.11
(1,2025)	1:429:A:ARG:H	1:429:A:ARG:HB3	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	1	5.26
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	1	4.57
(1,2255)	1:427:A:THR:HG22	1:430:A:LEU:HD11	12	4.38
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD13	11	4.25
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD11	8	4.24
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD12	10	4.24
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD12	3	4.23
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD12	7	4.23
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD13	20	4.2
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD12	17	4.17
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD13	2	4.16
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD13	16	4.13
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD11	18	4.13
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD13	5	4.1
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD11	12	4.1
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD13	14	4.1
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD12	19	4.1
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD12	4	4.09
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD13	13	4.09
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD11	1	4.06
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD12	6	4.06
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	2	4.04
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD12	15	4.04
(1,320)	1:398:A:TYR:HE2	1:403:A:ILE:HD11	9	4.02
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	1	4.01
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	11	4.0
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	17	4.0
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	20	4.0
(1,1488)	1:400:A:LEU:HD11	1:397:A:TYR:HE2	14	3.99
(1,1488)	1:400:A:LEU:HD11	1:397:A:TYR:HE2	17	3.98
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD22	20	3.97
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG22	18	3.97
(1,324)	1:413:A:PHE:HD2	1:405:A:LYS:HB2	7	3.96
(1,1488)	1:400:A:LEU:HD13	1:397:A:TYR:HE2	5	3.95
(1,1488)	1:400:A:LEU:HD13	1:397:A:TYR:HE2	2	3.94
(1,1488)	1:400:A:LEU:HD13	1:397:A:TYR:HE2	13	3.94
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD23	15	3.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1488)	1:400:A:LEU:HD13	1:397:A:TYR:HE2	8	3.93
(1,1488)	1:400:A:LEU:HD12	1:397:A:TYR:HE2	15	3.93
(1,1488)	1:400:A:LEU:HD12	1:397:A:TYR:HE2	16	3.93
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD11	8	3.93
(1,1488)	1:400:A:LEU:HD12	1:397:A:TYR:HE2	12	3.92
(1,1488)	1:400:A:LEU:HD11	1:397:A:TYR:HE2	20	3.92
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD13	20	3.92
(1,1488)	1:400:A:LEU:HD12	1:397:A:TYR:HE2	1	3.91
(1,1488)	1:400:A:LEU:HD13	1:397:A:TYR:HE2	6	3.91
(1,324)	1:413:A:PHE:HD2	1:405:A:LYS:HB2	8	3.91
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD12	3	3.91
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD12	10	3.91
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG22	18	3.9
(1,1488)	1:400:A:LEU:HD12	1:397:A:TYR:HE2	9	3.9
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD13	11	3.9
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD12	7	3.89
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD23	1	3.88
(1,1488)	1:400:A:LEU:HD11	1:397:A:TYR:HE2	10	3.88
(1,1488)	1:400:A:LEU:HD12	1:397:A:TYR:HE2	18	3.86
(1,1488)	1:400:A:LEU:HD11	1:397:A:TYR:HE2	19	3.86
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD21	17	3.85
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG22	13	3.85
(1,1488)	1:400:A:LEU:HD11	1:397:A:TYR:HE2	11	3.85
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD13	2	3.84
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD13	16	3.84
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD12	17	3.84
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	5	3.83
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	12	3.83
(1,1488)	1:400:A:LEU:HD12	1:397:A:TYR:HE2	3	3.83
(1,1488)	1:400:A:LEU:HD11	1:397:A:TYR:HE2	4	3.83
(1,1488)	1:400:A:LEU:HD13	1:397:A:TYR:HE2	7	3.83
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	12	3.82
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	5	3.82
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG22	13	3.82
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD11	12	3.82
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD11	18	3.82
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	15	3.81
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	8	3.8
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD13	5	3.8
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	15	3.79
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	8	3.79
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD12	4	3.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD13	13	3.79
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD13	14	3.79
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD12	19	3.79
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD11	1	3.77
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD12	15	3.77
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD22	11	3.76
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD12	6	3.76
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG22	20	3.75
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	1	3.75
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG22	20	3.75
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	1	3.72
(1,316)	1:398:A:TYR:HD2	1:403:A:ILE:HD11	9	3.71
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG23	9	3.7
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG23	9	3.68
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG23	6	3.68
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	9	3.66
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG23	6	3.65
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	4	3.63
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	4	3.63
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG23	17	3.61
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG22	16	3.59
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	9	3.59
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG23	7	3.58
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG22	3	3.58
(1,3000)	1:397:A:TYR:HD2	1:400:A:LEU:HD11	20	3.57
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG23	17	3.57
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG22	3	3.55
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	15	3.54
(1,1722)	1:411:A:LEU:HB2	1:413:A:PHE:HE1	7	3.54
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	8	3.54
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG22	14	3.53
(1,3478)	1:415:A:PHE:HE2	1:356:A:TRP:HZ3	20	3.52
(1,1722)	1:411:A:LEU:HB2	1:413:A:PHE:HE1	8	3.52
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG22	16	3.51
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG23	7	3.51
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	18	3.51
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	11	3.5
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	11	3.48
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	10	3.48
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	11	3.48
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	1	3.47
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	10	3.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3478)	1:415:A:PHE:HE2	1:356:A:TRP:HZ3	1	3.46
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	5	3.46
(1,3007)	1:398:A:TYR:HD1	1:395:A:ARG:HB3	6	3.46
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG22	14	3.46
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	19	3.45
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	2	3.45
(1,1555)	1:398:A:TYR:HD2	1:403:A:ILE:HG21	19	3.43
(1,3478)	1:415:A:PHE:HE2	1:356:A:TRP:HZ3	17	3.41
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	12	3.41
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	2	3.4
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	2	3.39
(1,1558)	1:398:A:TYR:HE2	1:403:A:ILE:HG21	2	3.39
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	18	3.38
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	8	3.38
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	6	3.37
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	7	3.36
(1,1811)	1:415:A:PHE:HE2	1:345:A:LEU:HD22	20	3.35
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	15	3.35
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	13	3.35
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	20	3.35
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	13	3.34
(1,1811)	1:415:A:PHE:HE2	1:345:A:LEU:HD23	1	3.34
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	5	3.34
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	11	3.34
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	18	3.34
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	16	3.33
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	9	3.33
(1,2207)	1:429:A:ARG:HA	1:433:A:LEU:HD21	15	3.33
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	1	3.33
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	3	3.33
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	16	3.33
(1,3478)	1:415:A:PHE:HE2	1:356:A:TRP:HZ3	11	3.32
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	19	3.32
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	2	3.32
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	6	3.32
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	10	3.32
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	12	3.32
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	17	3.3
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	20	3.29
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	15	3.29
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	12	3.29
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	7	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	14	3.28
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	19	3.28
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	3	3.28
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	6	3.28
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	4	3.27
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD23	7	3.27
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	1	3.27
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	18	3.26
(1,315)	1:398:A:TYR:HD2	1:403:A:ILE:HB	9	3.26
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	16	3.26
(1,1535)	1:402:A:ILE:HG22	1:415:A:PHE:HE1	17	3.25
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	19	3.25
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	4	3.25
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	7	3.25
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	9	3.25
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	14	3.25
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	10	3.24
(1,1811)	1:415:A:PHE:HE2	1:345:A:LEU:HD21	17	3.23
(1,1535)	1:402:A:ILE:HG21	1:415:A:PHE:HE1	1	3.23
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD21	11	3.23
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	4	3.22
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	19	3.21
(1,1535)	1:402:A:ILE:HG23	1:415:A:PHE:HE1	11	3.21
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD21	2	3.21
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	14	3.2
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	3	3.2
(1,945)	1:413:A:PHE:HE1	1:366:A:ILE:HG13	8	3.2
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	2	3.2
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	13	3.2
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	20	3.19
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	1	3.18
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	7	3.18
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD23	3	3.18
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	11	3.18
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	4	3.17
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD22	1	3.17
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD23	4	3.17
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD22	8	3.17
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD23	17	3.17
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD21	6	3.16
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD23	19	3.16
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	11	3.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD21	13	3.15
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	19	3.15
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	7	3.14
(1,958)	1:366:A:ILE:HB	1:413:A:PHE:HE1	8	3.14
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	7	3.14
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	16	3.14
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD22	10	3.13
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	8	3.13
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	10	3.12
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD22	5	3.12
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	17	3.12
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD12	4	3.11
(1,1811)	1:415:A:PHE:HE2	1:345:A:LEU:HD22	11	3.11
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	1	3.11
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	10	3.11
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	13	3.11
(1,1819)	1:402:A:ILE:HG21	1:415:A:PHE:HD1	1	3.1
(1,1594)	1:413:A:PHE:HD2	1:405:A:LYS:HA	7	3.1
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD21	16	3.1
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	18	3.1
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	12	3.09
(1,323)	1:413:A:PHE:HD1	1:366:A:ILE:HG13	8	3.09
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	14	3.09
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	11	3.09
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	17	3.09
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	10	3.08
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	15	3.08
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	3	3.08
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	15	3.07
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD13	16	3.07
(1,1819)	1:402:A:ILE:HG22	1:415:A:PHE:HD1	17	3.07
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD22	14	3.07
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	20	3.06
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD12	3	3.06
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD12	7	3.06
(1,2058)	1:430:A:LEU:HD21	1:397:A:TYR:HE2	20	3.06
(1,281)	1:387:A:TYR:HD2	1:390:A:MET:HB2	5	3.06
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD13	2	3.05
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	14	3.05
(1,1819)	1:402:A:ILE:HG23	1:415:A:PHE:HD1	11	3.05
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD21	9	3.05
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	6	3.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD22	15	3.04
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	5	3.03
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	16	3.03
(1,2196)	1:394:A:LEU:HD22	1:398:A:TYR:HE2	20	3.03
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	6	3.02
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	13	3.02
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD21	18	3.02
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	7	3.01
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD13	11	3.01
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD12	19	3.01
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD13	5	3.0
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD12	17	3.0
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	19	3.0
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	4	3.0
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	17	3.0
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD11	1	2.99
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD11	18	2.99
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	2	2.99
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD11	8	2.98
(1,2997)	1:397:A:TYR:HD1	1:394:A:LEU:HD21	15	2.98
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	4	2.98
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	15	2.98
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD13	13	2.97
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	9	2.97
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	18	2.97
(1,945)	1:413:A:PHE:HE1	1:366:A:ILE:HG13	7	2.97
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	2	2.97
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	17	2.96
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	14	2.96
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD13	14	2.96
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	10	2.96
(1,2196)	1:394:A:LEU:HD23	1:398:A:TYR:HE2	12	2.96
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	12	2.96
(1,2196)	1:394:A:LEU:HD21	1:398:A:TYR:HE2	18	2.95
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	1	2.95
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	3	2.95
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	17	2.94
(1,2999)	1:397:A:TYR:HD1	1:337:A:LEU:HB2	14	2.94
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD12	6	2.94
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD11	9	2.94
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	3	2.94
(1,1535)	1:402:A:ILE:HG22	1:415:A:PHE:HE1	20	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	18	2.93
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	12	2.92
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	9	2.92
(1,915)	1:413:A:PHE:HD1	1:365:A:ARG:HA	7	2.92
(1,70)	1:375:A:LEU:HD21	1:353:A:PHE:HE1	8	2.92
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	1	2.91
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	10	2.91
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	18	2.91
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	2	2.91
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	5	2.91
(1,2490)	1:366:A:ILE:H	1:413:A:PHE:HE1	8	2.91
(1,1818)	1:415:A:PHE:HD1	1:422:A:ILE:HD13	20	2.91
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	13	2.91
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	8	2.9
(1,2196)	1:394:A:LEU:HD23	1:398:A:TYR:HE2	6	2.9
(1,1819)	1:402:A:ILE:HG22	1:415:A:PHE:HD1	20	2.9
(1,958)	1:366:A:ILE:HB	1:413:A:PHE:HE1	7	2.9
(1,323)	1:413:A:PHE:HD1	1:366:A:ILE:HG13	7	2.9
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	9	2.9
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	12	2.9
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	15	2.89
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD12	10	2.89
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD13	20	2.89
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	6	2.89
(1,2196)	1:394:A:LEU:HD21	1:398:A:TYR:HE2	10	2.89
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	12	2.89
(1,915)	1:413:A:PHE:HD1	1:365:A:ARG:HA	8	2.89
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	4	2.89
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	6	2.89
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	6	2.88
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD23	20	2.88
(1,70)	1:375:A:LEU:HD21	1:353:A:PHE:HE1	19	2.88
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	11	2.87
(1,2999)	1:397:A:TYR:HD1	1:337:A:LEU:HB2	13	2.87
(1,2997)	1:397:A:TYR:HD1	1:403:A:ILE:HD11	12	2.87
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	20	2.87
(1,3007)	1:398:A:TYR:HD2	1:404:A:ARG:HB2	3	2.86
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	10	2.86
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	20	2.86
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	18	2.86
(1,3483)	1:415:A:PHE:HD1	1:403:A:ILE:HB	11	2.85
(1,2999)	1:397:A:TYR:HD1	1:337:A:LEU:HB2	2	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	5	2.85
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	13	2.85
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	14	2.85
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	4	2.84
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	9	2.84
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	17	2.84
(1,2196)	1:394:A:LEU:HD21	1:398:A:TYR:HE2	11	2.84
(1,2196)	1:394:A:LEU:HD22	1:398:A:TYR:HE2	15	2.84
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	4	2.84
(1,642)	1:354:A:ILE:HG22	1:364:A:PHE:HD1	16	2.84
(1,303)	1:397:A:TYR:HE1	1:337:A:LEU:HD22	12	2.84
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	9	2.84
(1,3483)	1:415:A:PHE:HD1	1:403:A:ILE:HB	1	2.83
(1,3483)	1:415:A:PHE:HD1	1:403:A:ILE:HB	17	2.83
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	8	2.83
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	11	2.83
(1,2196)	1:394:A:LEU:HD22	1:398:A:TYR:HE2	17	2.83
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD13	3	2.83
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	7	2.83
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD11	2	2.82
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD11	5	2.82
(1,642)	1:354:A:ILE:HG21	1:364:A:PHE:HD1	2	2.82
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	8	2.81
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	19	2.81
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	19	2.81
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD13	1	2.81
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD13	10	2.81
(1,642)	1:354:A:ILE:HG22	1:364:A:PHE:HD1	19	2.81
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	5	2.81
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	15	2.81
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	20	2.81
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	20	2.8
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	1	2.8
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	16	2.8
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	3	2.8
(1,2196)	1:394:A:LEU:HD21	1:398:A:TYR:HE2	3	2.8
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD12	18	2.8
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD13	19	2.8
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	18	2.8
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	16	2.79
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD12	14	2.79
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD13	16	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	1	2.78
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	7	2.78
(1,2196)	1:394:A:LEU:HD22	1:398:A:TYR:HE2	16	2.78
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD13	4	2.78
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD11	6	2.78
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD12	9	2.78
(1,972)	1:364:A:PHE:HE1	1:366:A:ILE:HD11	13	2.78
(1,642)	1:354:A:ILE:HG23	1:364:A:PHE:HD1	14	2.78
(1,3486)	1:356:A:TRP:HH2	1:415:A:PHE:HD2	1	2.77
(1,2999)	1:397:A:TYR:HD1	1:337:A:LEU:HB2	3	2.77
(1,2736)	1:415:A:PHE:H	1:364:A:PHE:HD2	13	2.77
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	4	2.77
(1,642)	1:354:A:ILE:HG23	1:364:A:PHE:HD1	9	2.77
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	11	2.77
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	18	2.77
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	20	2.77
(1,2999)	1:397:A:TYR:HD2	1:400:A:LEU:HB2	7	2.76
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	16	2.76
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	11	2.75
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	5	2.75
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	9	2.75
(1,70)	1:375:A:LEU:HD23	1:353:A:PHE:HE1	9	2.75
(1,70)	1:375:A:LEU:HD21	1:353:A:PHE:HE1	16	2.75
(1,3486)	1:356:A:TRP:HH2	1:415:A:PHE:HD2	20	2.74
(1,2196)	1:394:A:LEU:HD23	1:398:A:TYR:HE2	7	2.74
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	3	2.74
(1,1818)	1:415:A:PHE:HD1	1:422:A:ILE:HD12	17	2.74
(1,642)	1:354:A:ILE:HG22	1:364:A:PHE:HD1	4	2.74
(1,642)	1:354:A:ILE:HG23	1:364:A:PHE:HD1	10	2.74
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	8	2.74
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	10	2.74
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	5	2.74
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	1	2.73
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	5	2.73
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	2	2.73
(1,3483)	1:415:A:PHE:HD1	1:403:A:ILE:HB	20	2.72
(1,70)	1:375:A:LEU:HD23	1:353:A:PHE:HE1	4	2.72
(1,2196)	1:394:A:LEU:HD22	1:398:A:TYR:HE2	8	2.71
(1,642)	1:354:A:ILE:HG22	1:364:A:PHE:HD1	18	2.71
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	19	2.71
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	2	2.71
(1,2196)	1:394:A:LEU:HD23	1:398:A:TYR:HE2	1	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2196)	1:394:A:LEU:HD23	1:398:A:TYR:HE2	5	2.7
(1,2058)	1:430:A:LEU:HD21	1:397:A:TYR:HE2	18	2.7
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	4	2.7
(1,642)	1:354:A:ILE:HG21	1:364:A:PHE:HD1	5	2.7
(1,642)	1:354:A:ILE:HG22	1:364:A:PHE:HD1	13	2.7
(1,3486)	1:356:A:TRP:HH2	1:415:A:PHE:HD2	17	2.69
(1,2490)	1:366:A:ILE:H	1:413:A:PHE:HE1	7	2.69
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	9	2.69
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	16	2.69
(1,642)	1:354:A:ILE:HG22	1:364:A:PHE:HD1	1	2.69
(1,642)	1:354:A:ILE:HG22	1:364:A:PHE:HD1	6	2.69
(1,70)	1:375:A:LEU:HD23	1:353:A:PHE:HE1	14	2.69
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD12	5	2.68
(1,2196)	1:394:A:LEU:HD21	1:398:A:TYR:HE2	19	2.68
(1,2085)	1:433:A:LEU:HD23	1:430:A:LEU:HA	15	2.68
(1,2058)	1:430:A:LEU:HD21	1:397:A:TYR:HE2	9	2.68
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	5	2.68
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	8	2.68
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	15	2.67
(1,1594)	1:413:A:PHE:HD2	1:405:A:LYS:HA	8	2.67
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	15	2.67
(1,642)	1:354:A:ILE:HG23	1:364:A:PHE:HD1	3	2.67
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	1	2.66
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	5	2.66
(1,279)	1:387:A:TYR:HD2	1:373:A:ALA:HA	19	2.66
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	18	2.65
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	15	2.65
(1,70)	1:375:A:LEU:HD23	1:353:A:PHE:HE1	12	2.65
(1,2196)	1:394:A:LEU:HD22	1:398:A:TYR:HE2	14	2.64
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	4	2.64
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	7	2.64
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	8	2.64
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	13	2.64
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	7	2.64
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD12	12	2.63
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD21	5	2.63
(1,2196)	1:394:A:LEU:HD21	1:398:A:TYR:HE2	9	2.63
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	2	2.63
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	17	2.63
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	18	2.63
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD12	2	2.62
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	13	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	16	2.62
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	3	2.62
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	13	2.62
(1,3486)	1:356:A:TRP:HH2	1:415:A:PHE:HD2	11	2.61
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD11	20	2.61
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD11	4	2.61
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD13	14	2.61
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	6	2.61
(1,2058)	1:430:A:LEU:HD23	1:397:A:TYR:HE2	2	2.61
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	10	2.61
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	19	2.61
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD11	1	2.6
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD11	3	2.6
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD12	13	2.6
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD13	15	2.6
(1,2196)	1:394:A:LEU:HD21	1:398:A:TYR:HE2	2	2.6
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	14	2.6
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	15	2.6
(1,70)	1:375:A:LEU:HD23	1:353:A:PHE:HE1	10	2.6
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	17	2.6
(1,3396)	1:403:A:ILE:HD13	1:336:A:LEU:HB2	15	2.59
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD11	11	2.59
(1,2492)	1:366:A:ILE:H	1:413:A:PHE:HD1	8	2.59
(1,1818)	1:415:A:PHE:HD1	1:422:A:ILE:HD11	1	2.59
(1,1609)	1:405:A:LYS:HD2	1:413:A:PHE:HE2	8	2.59
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	11	2.59
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD12	5	2.59
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD13	6	2.58
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD12	9	2.58
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD12	6	2.58
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD13	17	2.58
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD13	20	2.58
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	6	2.58
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	14	2.58
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	20	2.58
(1,70)	1:375:A:LEU:HD21	1:353:A:PHE:HE1	1	2.58
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	16	2.57
(1,1739)	1:413:A:PHE:HD1	1:412:A:LEU:HA	7	2.57
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB3	7	2.57
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB3	13	2.57
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB3	16	2.57
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	13	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD13	9	2.56
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD13	18	2.56
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	14	2.56
(1,2058)	1:430:A:LEU:HD22	1:397:A:TYR:HE2	7	2.56
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	3	2.56
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD12	2	2.56
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD12	8	2.55
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD11	10	2.55
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD11	16	2.55
(1,2058)	1:430:A:LEU:HD22	1:397:A:TYR:HE2	15	2.55
(1,971)	1:366:A:ILE:HD13	1:413:A:PHE:HE1	8	2.55
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD13	14	2.55
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD12	18	2.54
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	17	2.54
(1,2196)	1:394:A:LEU:HD22	1:398:A:TYR:HE2	4	2.54
(1,2196)	1:394:A:LEU:HD22	1:398:A:TYR:HE2	13	2.54
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	13	2.54
(1,1818)	1:415:A:PHE:HD1	1:422:A:ILE:HD11	11	2.54
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	10	2.54
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	12	2.54
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD11	3	2.54
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD11	4	2.54
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB3	1	2.54
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB1	15	2.54
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD11	19	2.53
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	6	2.53
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB1	14	2.53
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	3	2.53
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	7	2.53
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	16	2.53
(1,3396)	1:403:A:ILE:HD13	1:336:A:LEU:HB2	7	2.52
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD11	11	2.52
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD11	16	2.52
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD11	12	2.52
(1,2058)	1:430:A:LEU:HD22	1:397:A:TYR:HE2	1	2.52
(1,2058)	1:430:A:LEU:HD21	1:397:A:TYR:HE2	3	2.52
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	2	2.52
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	19	2.52
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	2	2.52
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB1	3	2.52
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	14	2.52
(1,2058)	1:430:A:LEU:HD21	1:397:A:TYR:HE2	11	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD11	7	2.51
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD11	1	2.51
(1,235)	1:350:A:TYR:HA	1:353:A:PHE:HD1	6	2.51
(1,2990)	1:387:A:TYR:HD2	1:366:A:ILE:HD11	7	2.5
(1,2987)	1:387:A:TYR:HD1	1:388:A:GLU:HA	11	2.5
(1,1544)	1:403:A:ILE:HB	1:397:A:TYR:HD1	20	2.5
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD11	10	2.5
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB3	6	2.5
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	11	2.5
(1,3412)	1:405:A:LYS:HA	1:398:A:TYR:HD2	7	2.49
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD13	19	2.49
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	1	2.49
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD13	17	2.49
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD13	20	2.49
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB2	10	2.49
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	8	2.48
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	19	2.48
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD12	6	2.48
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD11	7	2.48
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD11	11	2.48
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD12	13	2.48
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD13	15	2.48
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB1	4	2.48
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	4	2.48
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	12	2.48
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	6	2.47
(1,70)	1:375:A:LEU:HD22	1:353:A:PHE:HE1	11	2.47
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	10	2.46
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	5	2.46
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	2	2.46
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD13	9	2.45
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD11	16	2.45
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB1	12	2.45
(1,2058)	1:430:A:LEU:HD22	1:397:A:TYR:HE2	4	2.44
(1,2058)	1:430:A:LEU:HD21	1:397:A:TYR:HE2	19	2.44
(1,1393)	1:394:A:LEU:HB2	1:413:A:PHE:HE2	7	2.44
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB3	2	2.44
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB1	17	2.44
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	1	2.44
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	5	2.43
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD12	8	2.43
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD13	18	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB3	20	2.43
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	5	2.43
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	18	2.43
(1,3396)	1:403:A:ILE:HD11	1:336:A:LEU:HB2	2	2.42
(1,2058)	1:430:A:LEU:HD23	1:397:A:TYR:HE2	13	2.42
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	20	2.42
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	11	2.42
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD11	12	2.42
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	7	2.41
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD12	8	2.4
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	15	2.4
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD23	8	2.4
(1,2058)	1:430:A:LEU:HD21	1:397:A:TYR:HE2	5	2.4
(1,2058)	1:430:A:LEU:HD22	1:397:A:TYR:HE2	16	2.4
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD11	6	2.4
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD11	3	2.4
(1,3396)	1:403:A:ILE:HD13	1:336:A:LEU:HB2	10	2.39
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD13	17	2.39
(1,1715)	1:411:A:LEU:HB3	1:413:A:PHE:HE1	8	2.39
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	2	2.39
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	17	2.39
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD11	13	2.38
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	13	2.38
(1,2058)	1:430:A:LEU:HD23	1:397:A:TYR:HE2	17	2.38
(1,1739)	1:413:A:PHE:HD1	1:412:A:LEU:HA	8	2.38
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	5	2.38
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	8	2.38
(1,287)	1:387:A:TYR:HE2	1:366:A:ILE:HD11	19	2.38
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	10	2.38
(1,3396)	1:403:A:ILE:HD11	1:336:A:LEU:HB2	14	2.37
(1,2058)	1:430:A:LEU:HD22	1:397:A:TYR:HE2	6	2.37
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	19	2.37
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	12	2.36
(1,3396)	1:337:A:LEU:HB2	1:403:A:ILE:HD13	3	2.36
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	4	2.36
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	18	2.36
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	4	2.36
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB1	11	2.36
(1,60)	1:375:A:LEU:HD13	1:353:A:PHE:HE1	13	2.36
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	4	2.35
(1,2987)	1:387:A:TYR:HD1	1:388:A:GLU:HA	20	2.35
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	11	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	11	2.35
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB1	5	2.35
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB3	18	2.35
(1,60)	1:375:A:LEU:HD13	1:353:A:PHE:HE1	6	2.35
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	14	2.34
(1,2492)	1:366:A:ILE:H	1:413:A:PHE:HD1	7	2.34
(1,1394)	1:394:A:LEU:HB3	1:413:A:PHE:HE2	7	2.34
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	3	2.34
(1,3396)	1:403:A:ILE:HD12	1:336:A:LEU:HB2	1	2.33
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	3	2.33
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	16	2.33
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	9	2.33
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	3	2.33
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	1	2.33
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	8	2.33
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	7	2.32
(1,2058)	1:430:A:LEU:HD22	1:397:A:TYR:HE2	14	2.32
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD13	14	2.32
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	1	2.32
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	11	2.32
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	5	2.32
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	8	2.32
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	17	2.32
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	6	2.31
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	1	2.31
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	6	2.31
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD11	16	2.31
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB2	9	2.31
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD13	20	2.3
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	19	2.3
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	15	2.3
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	16	2.3
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	10	2.29
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	18	2.29
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	16	2.29
(1,971)	1:366:A:ILE:HD12	1:413:A:PHE:HE1	7	2.29
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	9	2.29
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	10	2.29
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	9	2.29
(1,60)	1:375:A:LEU:HD12	1:353:A:PHE:HE1	11	2.29
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	14	2.28
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	14	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	20	2.28
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	2	2.28
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	16	2.28
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB1	8	2.28
(1,3221)	1:355:A:ARG:HD2	1:357:A:GLU:HG3	4	2.27
(1,3000)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	12	2.27
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	9	2.27
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	19	2.27
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD13	13	2.27
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	13	2.27
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	4	2.27
(1,381)	1:337:A:LEU:HD11	1:397:A:TYR:HD1	7	2.27
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	4	2.27
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	14	2.27
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	17	2.27
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	10	2.26
(1,2058)	1:430:A:LEU:HD23	1:397:A:TYR:HE2	8	2.26
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	6	2.26
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD11	12	2.26
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	14	2.26
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	9	2.26
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD11	14	2.26
(1,70)	1:375:A:LEU:HD23	1:353:A:PHE:HE1	3	2.26
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	8	2.25
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD11	6	2.25
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	13	2.25
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	18	2.25
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	13	2.25
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	9	2.25
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD12	10	2.25
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD12	13	2.25
(1,3582)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	7	2.24
(1,3396)	1:403:A:ILE:HD13	1:336:A:LEU:HB2	4	2.24
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	1	2.24
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD13	14	2.24
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	9	2.24
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	2	2.24
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	19	2.24
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	12	2.24
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD13	6	2.24
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	18	2.23
(1,2058)	1:430:A:LEU:HD22	1:397:A:TYR:HE2	10	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD13	1	2.23
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	19	2.23
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	1	2.23
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	5	2.23
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	6	2.23
(1,733)	1:356:A:TRP:HZ3	1:415:A:PHE:HD2	20	2.23
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	4	2.22
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	18	2.22
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	2	2.22
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	5	2.22
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	3	2.22
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	10	2.22
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	2	2.22
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	16	2.22
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	6	2.22
(1,282)	1:373:A:ALA:H	1:387:A:TYR:HD2	19	2.22
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	17	2.21
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	3	2.21
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	17	2.21
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	20	2.21
(1,1715)	1:411:A:LEU:HB3	1:413:A:PHE:HE1	7	2.21
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	7	2.21
(1,957)	1:413:A:PHE:HD1	1:366:A:ILE:HB	8	2.21
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	1	2.21
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	18	2.21
(1,3582)	1:403:A:ILE:HG22	1:413:A:PHE:HD2	8	2.2
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD2	17	2.2
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	2	2.2
(1,1776)	1:414:A:ARG:HA	1:415:A:PHE:HD2	17	2.2
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD13	18	2.2
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	9	2.2
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	20	2.2
(1,878)	1:363:A:ILE:HA	1:364:A:PHE:HD2	13	2.2
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	11	2.2
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD12	15	2.2
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	7	2.2
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	9	2.19
(1,2058)	1:430:A:LEU:HD22	1:397:A:TYR:HE2	12	2.19
(1,1776)	1:414:A:ARG:HA	1:415:A:PHE:HD2	11	2.19
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	11	2.19
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD13	19	2.19
(1,1393)	1:394:A:LEU:HB2	1:413:A:PHE:HE2	8	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	15	2.19
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	14	2.19
(1,381)	1:337:A:LEU:HD11	1:397:A:TYR:HD1	3	2.19
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	5	2.19
(1,283)	1:387:A:TYR:HD2	1:373:A:ALA:HB3	19	2.19
(1,3396)	1:403:A:ILE:HD11	1:336:A:LEU:HB2	5	2.18
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	10	2.18
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	5	2.18
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	5	2.18
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	8	2.18
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	17	2.18
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	11	2.18
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	1	2.18
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	9	2.18
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	19	2.18
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	6	2.18
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	1	2.18
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	10	2.18
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	12	2.17
(1,1776)	1:414:A:ARG:HA	1:415:A:PHE:HD2	1	2.17
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	18	2.17
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD12	4	2.17
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD12	8	2.17
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	15	2.17
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	13	2.17
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	3	2.17
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD12	18	2.17
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	15	2.17
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	9	2.16
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	12	2.16
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	13	2.16
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	15	2.16
(1,1776)	1:414:A:ARG:HA	1:415:A:PHE:HD2	20	2.16
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD12	7	2.16
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	10	2.16
(1,381)	1:337:A:LEU:HD12	1:397:A:TYR:HD1	10	2.16
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	1	2.15
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	7	2.15
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	3	2.15
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	13	2.15
(1,1394)	1:394:A:LEU:HB3	1:413:A:PHE:HE2	8	2.15
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	10	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	14	2.15
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	4	2.15
(1,733)	1:356:A:TRP:HZ3	1:415:A:PHE:HD2	1	2.15
(1,733)	1:356:A:TRP:HZ3	1:415:A:PHE:HD2	17	2.15
(1,381)	1:337:A:LEU:HD12	1:397:A:TYR:HD1	15	2.15
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	8	2.14
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	18	2.14
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	12	2.14
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	2	2.14
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	15	2.14
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	2	2.14
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	3	2.14
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	5	2.14
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	6	2.14
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	10	2.14
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD13	2	2.14
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD11	10	2.14
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD11	11	2.14
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	14	2.14
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	4	2.14
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	8	2.14
(1,381)	1:337:A:LEU:HD11	1:397:A:TYR:HD1	16	2.14
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	6	2.13
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	13	2.13
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	5	2.13
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	16	2.13
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	19	2.13
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	20	2.13
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	6	2.13
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	18	2.13
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	2	2.13
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	4	2.13
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD2	13	2.12
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	6	2.12
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	14	2.12
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	1	2.12
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD13	1	2.12
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD13	13	2.12
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	2	2.12
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	17	2.12
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	3	2.12
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	16	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	13	2.12
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	17	2.12
(1,369)	1:397:A:TYR:HE1	1:337:A:LEU:HG	20	2.12
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	14	2.12
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	5	2.11
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	16	2.11
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	1	2.11
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	12	2.11
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	16	2.11
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	14	2.11
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	7	2.11
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG22	14	2.11
(1,669)	1:364:A:PHE:HD1	1:354:A:ILE:HG12	5	2.11
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	11	2.11
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD2	7	2.1
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	10	2.1
(1,2987)	1:387:A:TYR:HD2	1:369:A:PRO:HA	19	2.1
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	19	2.1
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	16	2.1
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	17	2.1
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD13	5	2.1
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD11	9	2.1
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD11	15	2.1
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	1	2.1
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	3	2.1
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	13	2.1
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	6	2.1
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	4	2.1
(1,381)	1:337:A:LEU:HD11	1:397:A:TYR:HD1	14	2.1
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	5	2.1
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	17	2.1
(1,3442)	1:413:A:PHE:HZ	1:411:A:LEU:HD11	8	2.09
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	7	2.09
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD11	3	2.09
(1,381)	1:337:A:LEU:HD13	1:397:A:TYR:HD1	9	2.09
(1,381)	1:337:A:LEU:HD12	1:397:A:TYR:HD1	12	2.09
(1,381)	1:337:A:LEU:HD12	1:397:A:TYR:HD1	18	2.09
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	18	2.09
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	19	2.09
(1,60)	1:375:A:LEU:HD12	1:353:A:PHE:HE1	8	2.09
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	17	2.08
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	1	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	15	2.08
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	1	2.08
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	3	2.08
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	14	2.08
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	16	2.08
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	11	2.08
(1,1557)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	7	2.08
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	4	2.08
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	14	2.08
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD11	17	2.08
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	6	2.08
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	5	2.08
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	7	2.08
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	18	2.08
(1,381)	1:337:A:LEU:HD12	1:397:A:TYR:HD1	13	2.08
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	8	2.08
(1,60)	1:375:A:LEU:HD11	1:353:A:PHE:HE1	19	2.08
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	15	2.07
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	3	2.07
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	2	2.07
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	15	2.07
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	15	2.07
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	13	2.07
(1,3263)	1:372:A:LEU:HD22	1:350:A:TYR:HE1	3	2.06
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	2	2.06
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	16	2.06
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	11	2.06
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	1	2.06
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	2	2.06
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	7	2.06
(1,1623)	1:405:A:LYS:HE3	1:413:A:PHE:HE2	7	2.06
(1,1545)	1:398:A:TYR:HE2	1:403:A:ILE:HB	9	2.06
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	12	2.06
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	2	2.06
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	16	2.06
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	15	2.06
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	9	2.06
(1,60)	1:375:A:LEU:HD11	1:353:A:PHE:HE1	15	2.06
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	11	2.05
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	19	2.05
(1,2203)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	15	2.05
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	2	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	8	2.05
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	13	2.05
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	8	2.05
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	5	2.05
(1,733)	1:356:A:TRP:HZ3	1:415:A:PHE:HD2	11	2.05
(1,60)	1:375:A:LEU:HD12	1:353:A:PHE:HE1	18	2.05
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	8	2.04
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	11	2.04
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	11	2.04
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	8	2.04
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	7	2.04
(1,1557)	1:403:A:ILE:HG22	1:413:A:PHE:HD2	8	2.04
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	4	2.04
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	7	2.04
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	8	2.04
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	13	2.04
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	18	2.04
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	20	2.04
(1,1344)	1:390:A:MET:HG2	1:387:A:TYR:HD2	7	2.04
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	16	2.04
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	6	2.04
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	15	2.04
(1,60)	1:375:A:LEU:HD12	1:353:A:PHE:HE1	3	2.04
(1,60)	1:375:A:LEU:HD13	1:353:A:PHE:HE1	16	2.04
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	4	2.03
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	17	2.03
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	6	2.03
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	10	2.03
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD12	4	2.03
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	2	2.03
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	3	2.03
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	5	2.03
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	9	2.03
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	10	2.03
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	12	2.03
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	14	2.03
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	15	2.03
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	16	2.03
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	19	2.03
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	5	2.03
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	12	2.03
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	15	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	1	2.03
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD12	12	2.03
(1,60)	1:375:A:LEU:HD11	1:353:A:PHE:HE1	20	2.03
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	2	2.02
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	14	2.02
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	4	2.02
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	2	2.02
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	19	2.02
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	19	2.02
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	1	2.02
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	6	2.02
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	11	2.02
(1,1443)	1:398:A:TYR:HA	1:398:A:TYR:HD2	17	2.02
(1,963)	1:366:A:ILE:HG21	1:387:A:TYR:HE2	5	2.02
(1,653)	1:354:A:ILE:HD12	1:364:A:PHE:HD1	2	2.02
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	5	2.01
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	19	2.01
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	14	2.01
(1,2737)	1:415:A:PHE:H	1:364:A:PHE:HE2	13	2.01
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	7	2.01
(1,2112)	1:396:A:HIS:HA	1:397:A:TYR:HE2	4	2.01
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD11	12	2.01
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD13	19	2.01
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	11	2.01
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	17	2.01
(1,957)	1:413:A:PHE:HD1	1:366:A:ILE:HB	7	2.01
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG21	3	2.01
(1,381)	1:337:A:LEU:HD11	1:397:A:TYR:HD1	20	2.01
(1,306)	1:397:A:TYR:HE1	1:337:A:LEU:HD11	20	2.01
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	16	2.01
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	20	2.01
(1,3263)	1:372:A:LEU:HD21	1:350:A:TYR:HE1	11	2.0
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	7	2.0
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	11	2.0
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	17	2.0
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	3	2.0
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	11	2.0
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	13	2.0
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD11	10	2.0
(1,963)	1:366:A:ILE:HG21	1:387:A:TYR:HE2	11	2.0
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	8	2.0
(1,653)	1:354:A:ILE:HD11	1:364:A:PHE:HD1	9	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	3	2.0
(1,304)	1:397:A:TYR:HE1	1:337:A:LEU:HB2	12	2.0
(1,60)	1:375:A:LEU:HD13	1:353:A:PHE:HE1	5	2.0
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	8	1.99
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	9	1.99
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	17	1.99
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	9	1.99
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	1	1.99
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD12	12	1.99
(1,2053)	1:430:A:LEU:HD13	1:397:A:TYR:HE2	20	1.99
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD12	7	1.99
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD12	8	1.99
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD11	11	1.99
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	19	1.99
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	18	1.99
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	2	1.99
(1,653)	1:354:A:ILE:HD13	1:364:A:PHE:HD1	6	1.99
(1,653)	1:354:A:ILE:HD13	1:364:A:PHE:HD1	16	1.99
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	6	1.98
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	19	1.98
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	13	1.98
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	18	1.98
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	3	1.98
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	20	1.98
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	5	1.98
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	10	1.98
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	15	1.98
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	14	1.98
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD21	4	1.98
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	14	1.98
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	9	1.98
(1,653)	1:354:A:ILE:HD12	1:364:A:PHE:HD1	14	1.98
(1,653)	1:354:A:ILE:HD11	1:364:A:PHE:HD1	19	1.98
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	12	1.97
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	4	1.97
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	7	1.97
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	4	1.97
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	10	1.97
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	20	1.96
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	8	1.96
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	6	1.96
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	17	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	4	1.96
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	13	1.96
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD13	2	1.96
(1,1520)	1:397:A:TYR:HD2	1:402:A:ILE:HD11	16	1.96
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	12	1.96
(1,60)	1:375:A:LEU:HD12	1:353:A:PHE:HE1	9	1.96
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	17	1.95
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	15	1.95
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	1	1.95
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	11	1.95
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	1	1.95
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	17	1.95
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	10	1.95
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD13	18	1.95
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD13	20	1.95
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	3	1.95
(1,653)	1:354:A:ILE:HD13	1:364:A:PHE:HD1	1	1.95
(1,653)	1:354:A:ILE:HD13	1:364:A:PHE:HD1	4	1.95
(1,60)	1:375:A:LEU:HD12	1:353:A:PHE:HE1	7	1.95
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	1	1.94
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	11	1.94
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	5	1.94
(1,3263)	1:372:A:LEU:HD22	1:350:A:TYR:HE1	10	1.94
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	9	1.94
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG22	2	1.94
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	20	1.94
(1,653)	1:354:A:ILE:HD12	1:364:A:PHE:HD1	3	1.94
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD13	16	1.93
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	18	1.93
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	1	1.93
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	9	1.93
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	3	1.93
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	4	1.93
(1,2223)	1:363:A:ILE:HD11	1:363:A:ILE:HG21	7	1.93
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	6	1.93
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	16	1.93
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	18	1.93
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD11	3	1.93
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	1	1.93
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	1	1.93
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG22	16	1.93
(1,653)	1:354:A:ILE:HD12	1:364:A:PHE:HD1	18	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:375:A:LEU:HD12	1:353:A:PHE:HE1	14	1.93
(1,3036)	1:337:A:LEU:HG	1:397:A:TYR:HD1	4	1.92
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	7	1.92
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	13	1.92
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG23	14	1.92
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	4	1.92
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	9	1.92
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	16	1.92
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	18	1.92
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	2	1.92
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD21	5	1.92
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD13	5	1.92
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD11	17	1.92
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	1	1.92
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	7	1.92
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	3	1.92
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	2	1.92
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	16	1.92
(1,653)	1:354:A:ILE:HD13	1:364:A:PHE:HD1	13	1.92
(1,3263)	1:372:A:LEU:HD22	1:350:A:TYR:HE1	1	1.91
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	16	1.91
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	2	1.91
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG21	9	1.91
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG22	19	1.91
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	5	1.91
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	6	1.91
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	14	1.91
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	1	1.91
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	2	1.91
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	12	1.91
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	3	1.91
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	14	1.91
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD11	9	1.91
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	6	1.91
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	14	1.91
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	17	1.91
(1,963)	1:366:A:ILE:HG21	1:387:A:TYR:HE2	13	1.91
(1,963)	1:366:A:ILE:HG22	1:387:A:TYR:HE2	15	1.91
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	9	1.91
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	10	1.91
(1,3065)	1:335:A:ARG:HB3	1:342:A:TYR:HB2	8	1.9
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG23	16	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	10	1.9
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	13	1.9
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	18	1.9
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	5	1.9
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	9	1.9
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	7	1.9
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	11	1.9
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	13	1.9
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	19	1.9
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	3	1.9
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	6	1.9
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	8	1.9
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	20	1.9
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	14	1.9
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	18	1.9
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	5	1.9
(1,653)	1:354:A:ILE:HD11	1:364:A:PHE:HD1	5	1.9
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD12	4	1.9
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	1	1.89
(1,2034)	1:430:A:LEU:HA	1:430:A:LEU:HD21	12	1.89
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	17	1.89
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	20	1.89
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	2	1.89
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	3	1.89
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	4	1.89
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	10	1.89
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	10	1.89
(1,1024)	1:387:A:TYR:HD2	1:369:A:PRO:HA	19	1.89
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	5	1.89
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	6	1.89
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	13	1.89
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	19	1.89
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	10	1.89
(1,653)	1:354:A:ILE:HD12	1:364:A:PHE:HD1	10	1.89
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD12	12	1.89
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	18	1.88
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD2	14	1.88
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	5	1.88
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	6	1.88
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	1	1.88
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	6	1.88
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	10	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	14	1.88
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	8	1.88
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	9	1.88
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	17	1.88
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	18	1.88
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	4	1.88
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	14	1.88
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	16	1.88
(1,60)	1:375:A:LEU:HD13	1:353:A:PHE:HE1	1	1.88
(1,60)	1:375:A:LEU:HD11	1:353:A:PHE:HE1	4	1.88
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	8	1.87
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	14	1.87
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG22	4	1.87
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG21	6	1.87
(1,2206)	1:397:A:TYR:HD2	1:430:A:LEU:HD22	12	1.87
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	15	1.87
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	4	1.87
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD21	8	1.87
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	2	1.87
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	3	1.87
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	4	1.87
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	7	1.87
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	8	1.87
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	11	1.87
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	13	1.87
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	19	1.87
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	5	1.87
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	16	1.87
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	18	1.87
(1,1326)	1:395:A:ARG:HB2	1:398:A:TYR:HE1	4	1.87
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	2	1.87
(1,60)	1:375:A:LEU:HD13	1:353:A:PHE:HE1	17	1.87
(1,3522)	1:364:A:PHE:HD1	1:372:A:LEU:HG	20	1.86
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD11	3	1.86
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	14	1.86
(1,3065)	1:335:A:ARG:HB3	1:342:A:TYR:HB2	19	1.86
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	13	1.86
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	16	1.86
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG22	1	1.86
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG23	3	1.86
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG22	5	1.86
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	18	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	11	1.86
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	13	1.86
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	5	1.86
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	16	1.86
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	17	1.86
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	15	1.86
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	8	1.86
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	9	1.86
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	20	1.85
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD11	10	1.85
(1,3263)	1:372:A:LEU:HD22	1:350:A:TYR:HE1	14	1.85
(1,3263)	1:372:A:LEU:HD21	1:350:A:TYR:HE1	17	1.85
(1,3221)	1:410:A:ARG:HD2	1:409:A:GLN:HG2	16	1.85
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	18	1.85
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	19	1.85
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD11	15	1.85
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	9	1.85
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	12	1.85
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	15	1.85
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	18	1.85
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	12	1.85
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	8	1.85
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	12	1.85
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD13	14	1.84
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	14	1.84
(1,3263)	1:372:A:LEU:HD21	1:350:A:TYR:HE1	19	1.84
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	20	1.84
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	18	1.84
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	18	1.84
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	9	1.84
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	19	1.84
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	4	1.84
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	16	1.84
(1,1598)	1:405:A:LYS:HA	1:406:A:GLU:HG3	4	1.84
(1,1440)	1:397:A:TYR:HD2	1:397:A:TYR:HA	20	1.84
(1,1439)	1:397:A:TYR:HE2	1:397:A:TYR:HA	20	1.84
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	10	1.84
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	6	1.84
(1,60)	1:375:A:LEU:HD11	1:353:A:PHE:HE1	2	1.84
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	15	1.83
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	10	1.83
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG22	10	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG23	13	1.83
(1,2940)	1:364:A:PHE:HE2	1:403:A:ILE:HG23	18	1.83
(1,2204)	1:432:A:HIS:HB3	1:433:A:LEU:HD21	15	1.83
(1,2053)	1:430:A:LEU:HD13	1:397:A:TYR:HE2	7	1.83
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	15	1.83
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	4	1.83
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD12	9	1.83
(1,3263)	1:372:A:LEU:HD21	1:350:A:TYR:HE1	2	1.82
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	15	1.82
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	12	1.82
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	17	1.82
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	13	1.82
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	14	1.82
(1,2053)	1:430:A:LEU:HD13	1:397:A:TYR:HE2	9	1.82
(1,1598)	1:405:A:LYS:HA	1:406:A:GLU:HG3	9	1.82
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	9	1.82
(1,963)	1:366:A:ILE:HG22	1:387:A:TYR:HE2	1	1.82
(1,963)	1:366:A:ILE:HG22	1:387:A:TYR:HE2	2	1.82
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	7	1.82
(1,946)	1:366:A:ILE:HG13	1:364:A:PHE:HD1	4	1.82
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD11	18	1.82
(1,328)	1:413:A:PHE:HE1	1:411:A:LEU:HD23	8	1.82
(1,3522)	1:364:A:PHE:HD1	1:372:A:LEU:HG	11	1.81
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD13	20	1.81
(1,3263)	1:372:A:LEU:HD22	1:350:A:TYR:HE1	8	1.81
(1,3263)	1:372:A:LEU:HD21	1:350:A:TYR:HE1	9	1.81
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	2	1.81
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	8	1.81
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	15	1.81
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	20	1.81
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	12	1.81
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	8	1.81
(1,60)	1:375:A:LEU:HD13	1:353:A:PHE:HE1	10	1.81
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	1	1.8
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	9	1.8
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	10	1.8
(1,3263)	1:372:A:LEU:HD22	1:350:A:TYR:HE1	6	1.8
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	8	1.8
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	6	1.8
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	19	1.8
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	12	1.8
(1,1732)	1:411:A:LEU:HD22	1:387:A:TYR:HD1	12	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	12	1.8
(1,1521)	1:397:A:TYR:HE2	1:402:A:ILE:HD11	16	1.8
(1,963)	1:366:A:ILE:HG21	1:387:A:TYR:HE2	8	1.8
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	16	1.8
(1,963)	1:366:A:ILE:HG22	1:387:A:TYR:HE2	18	1.8
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	13	1.8
(1,3522)	1:364:A:PHE:HD1	1:372:A:LEU:HG	17	1.79
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	16	1.79
(1,3204)	1:364:A:PHE:HD2	1:363:A:ILE:HG21	8	1.79
(1,2992)	1:387:A:TYR:HE2	1:366:A:ILE:HB	10	1.79
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	4	1.79
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	3	1.79
(1,2053)	1:430:A:LEU:HD12	1:397:A:TYR:HE2	19	1.79
(1,1598)	1:405:A:LYS:HA	1:406:A:GLU:HG3	5	1.79
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	12	1.79
(1,1025)	1:369:A:PRO:HA	1:387:A:TYR:HE2	19	1.79
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	7	1.79
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	1	1.79
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	2	1.79
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	14	1.79
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD12	15	1.78
(1,3263)	1:372:A:LEU:HD23	1:350:A:TYR:HE1	12	1.78
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	12	1.78
(1,2199)	1:387:A:TYR:HD1	1:388:A:GLU:HA	8	1.78
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	7	1.78
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	11	1.78
(1,2023)	1:428:A:ASP:HB2	1:429:A:ARG:HG3	15	1.78
(1,1732)	1:411:A:LEU:HD22	1:387:A:TYR:HD1	19	1.78
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	1	1.78
(1,1209)	1:376:A:TRP:HZ3	1:380:A:LYS:HD2	8	1.78
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	3	1.78
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	9	1.78
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	3	1.78
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	13	1.77
(1,3426)	1:434:A:GLU:HA	1:337:A:LEU:HG	13	1.77
(1,3263)	1:372:A:LEU:HD21	1:350:A:TYR:HE1	13	1.77
(1,3263)	1:372:A:LEU:HD21	1:350:A:TYR:HE1	15	1.77
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	11	1.77
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	12	1.77
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	18	1.77
(1,2184)	1:397:A:TYR:HD1	1:394:A:LEU:HA	20	1.77
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	3	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	8	1.77
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	9	1.77
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	15	1.77
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	20	1.77
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	17	1.77
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	16	1.77
(1,60)	1:375:A:LEU:HD12	1:353:A:PHE:HE1	12	1.77
(1,3263)	1:372:A:LEU:HD22	1:350:A:TYR:HE1	16	1.76
(1,2166)	1:353:A:PHE:HD1	1:350:A:TYR:HB3	10	1.76
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	5	1.76
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	20	1.76
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	10	1.76
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	11	1.76
(1,963)	1:366:A:ILE:HG22	1:387:A:TYR:HE2	12	1.76
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD12	2	1.76
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD13	5	1.76
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	9	1.76
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	7	1.75
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	1	1.75
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	17	1.75
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	20	1.75
(1,2053)	1:430:A:LEU:HD12	1:397:A:TYR:HE2	5	1.75
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	5	1.75
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	12	1.75
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD13	1	1.75
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD13	8	1.75
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD13	15	1.75
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	10	1.75
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD11	1	1.74
(1,3263)	1:372:A:LEU:HD23	1:350:A:TYR:HE1	5	1.74
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	3	1.74
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	1	1.74
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	3	1.74
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	5	1.74
(1,2053)	1:430:A:LEU:HD13	1:397:A:TYR:HE2	3	1.74
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	6	1.74
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	2	1.74
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	14	1.74
(1,1598)	1:405:A:LYS:HA	1:406:A:GLU:HG3	8	1.74
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	20	1.74
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	6	1.74
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	17	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3263)	1:372:A:LEU:HD21	1:350:A:TYR:HE1	20	1.73
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	6	1.73
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	18	1.73
(1,2826)	1:406:A:GLU:H	1:413:A:PHE:HD2	7	1.73
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	5	1.73
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	10	1.73
(1,2053)	1:430:A:LEU:HD13	1:397:A:TYR:HE2	1	1.73
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	6	1.73
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	10	1.73
(1,868)	1:361:A:SER:H	1:362:A:LYS:HD2	9	1.73
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD12	3	1.73
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD12	16	1.73
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD13	19	1.73
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	19	1.73
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD12	9	1.72
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	5	1.72
(1,1732)	1:411:A:LEU:HD23	1:387:A:TYR:HD1	17	1.72
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD21	9	1.72
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	7	1.72
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD13	14	1.72
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	4	1.72
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	13	1.72
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD12	5	1.71
(1,3426)	1:434:A:GLU:HA	1:337:A:LEU:HG	6	1.71
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	1	1.71
(1,2815)	1:436:A:GLN:HE22	1:435:A:SER:HB2	10	1.71
(1,2258)	1:402:A:ILE:HD12	1:430:A:LEU:HD12	12	1.71
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	18	1.71
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	10	1.71
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	1	1.71
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	3	1.71
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	4	1.71
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	10	1.71
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	17	1.71
(1,963)	1:366:A:ILE:HG22	1:387:A:TYR:HE2	17	1.71
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD12	13	1.71
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	18	1.71
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	5	1.7
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	12	1.7
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	7	1.7
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	10	1.7
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	14	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	16	1.7
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	9	1.7
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	11	1.7
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	13	1.7
(1,2053)	1:430:A:LEU:HD13	1:397:A:TYR:HE2	17	1.7
(1,1609)	1:405:A:LYS:HD2	1:413:A:PHE:HE2	7	1.7
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	2	1.7
(1,962)	1:366:A:ILE:HG21	1:387:A:TYR:HD2	5	1.7
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD11	20	1.7
(1,3483)	1:415:A:PHE:HD1	1:402:A:ILE:HG12	7	1.69
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	4	1.69
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	19	1.69
(1,3065)	1:335:A:ARG:HB3	1:342:A:TYR:HB2	5	1.69
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	4	1.69
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	9	1.69
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	10	1.69
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	16	1.69
(1,1732)	1:411:A:LEU:HD22	1:387:A:TYR:HD1	1	1.69
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	5	1.69
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	4	1.69
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	14	1.69
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD12	6	1.69
(1,149)	1:364:A:PHE:HD1	1:354:A:ILE:HG13	5	1.69
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	7	1.68
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	20	1.68
(1,2086)	1:430:A:LEU:HD22	1:396:A:HIS:HB2	12	1.68
(1,2053)	1:430:A:LEU:HD12	1:397:A:TYR:HE2	16	1.68
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	13	1.68
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	18	1.68
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	15	1.68
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	1	1.68
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	11	1.68
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	1	1.68
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	2	1.68
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	11	1.68
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	9	1.68
(1,962)	1:366:A:ILE:HG21	1:387:A:TYR:HD2	11	1.68
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD12	7	1.68
(1,474)	1:343:A:GLN:HB2	1:344:A:LEU:HD11	10	1.68
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	3	1.67
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD12	11	1.67
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	3	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	16	1.67
(1,2815)	1:436:A:GLN:HE22	1:435:A:SER:HB2	14	1.67
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	8	1.67
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	2	1.67
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	16	1.67
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	7	1.67
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	19	1.67
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	8	1.67
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	15	1.67
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	8	1.67
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	1	1.67
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	12	1.67
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	8	1.67
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	6	1.66
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	2	1.66
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	4	1.66
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	8	1.66
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	17	1.66
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	17	1.66
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	19	1.66
(1,1732)	1:411:A:LEU:HD21	1:387:A:TYR:HD1	16	1.66
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	13	1.66
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	6	1.66
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	16	1.66
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	19	1.66
(1,554)	1:346:A:SER:HB2	1:342:A:TYR:HD1	2	1.66
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	6	1.65
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	10	1.65
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	1	1.65
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	3	1.65
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	12	1.65
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	13	1.65
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	14	1.65
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	15	1.65
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	16	1.65
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	14	1.65
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	17	1.65
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	6	1.65
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	4	1.65
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	14	1.65
(1,868)	1:361:A:SER:H	1:362:A:LYS:HD2	1	1.65
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	11	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	18	1.65
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	19	1.65
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	20	1.65
(1,3483)	1:415:A:PHE:HD1	1:417:A:LYS:HB3	4	1.64
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	2	1.64
(1,3001)	1:397:A:TYR:HE1	1:394:A:LEU:HA	20	1.64
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	2	1.64
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD13	20	1.64
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	19	1.64
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	2	1.64
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	4	1.64
(1,963)	1:366:A:ILE:HG23	1:387:A:TYR:HE2	19	1.64
(1,868)	1:361:A:SER:H	1:362:A:LYS:HD2	12	1.64
(1,868)	1:361:A:SER:H	1:362:A:LYS:HD2	14	1.64
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	3	1.64
(1,3483)	1:415:A:PHE:HD1	1:402:A:ILE:HG12	8	1.63
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD13	18	1.63
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD12	19	1.63
(1,3263)	1:372:A:LEU:HD21	1:350:A:TYR:HE1	4	1.63
(1,2815)	1:436:A:GLN:HE22	1:435:A:SER:HB3	18	1.63
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	16	1.63
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	19	1.63
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	15	1.63
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	19	1.63
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	6	1.63
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	13	1.63
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD12	12	1.63
(1,2053)	1:430:A:LEU:HD11	1:397:A:TYR:HE2	14	1.63
(1,1732)	1:411:A:LEU:HD22	1:387:A:TYR:HD1	7	1.63
(1,1732)	1:411:A:LEU:HD23	1:387:A:TYR:HD1	11	1.63
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	4	1.63
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	6	1.63
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	11	1.63
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	7	1.63
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	5	1.63
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	6	1.62
(1,3263)	1:372:A:LEU:HD22	1:350:A:TYR:HE1	7	1.62
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	13	1.62
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	20	1.62
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	14	1.62
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	18	1.62
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	20	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	10	1.62
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	12	1.62
(1,1732)	1:411:A:LEU:HD23	1:387:A:TYR:HD1	2	1.62
(1,1732)	1:411:A:LEU:HD22	1:387:A:TYR:HD1	6	1.62
(1,1732)	1:411:A:LEU:HD23	1:387:A:TYR:HD1	14	1.62
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	8	1.62
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	7	1.62
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	16	1.62
(1,1326)	1:395:A:ARG:HB3	1:398:A:TYR:HE1	20	1.62
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	10	1.62
(1,3483)	1:415:A:PHE:HD1	1:402:A:ILE:HG12	16	1.61
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD11	17	1.61
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	17	1.61
(1,3016)	1:413:A:PHE:HD2	1:412:A:LEU:HB2	7	1.61
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	12	1.61
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	5	1.61
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	18	1.61
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	3	1.61
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	7	1.61
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	17	1.61
(1,962)	1:366:A:ILE:HG22	1:387:A:TYR:HD2	15	1.61
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	11	1.61
(1,3576)	1:413:A:PHE:HE2	1:405:A:LYS:HD3	8	1.6
(1,3549)	1:427:A:THR:HG21	1:426:A:ARG:HD3	8	1.6
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	8	1.6
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	5	1.6
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	18	1.6
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	19	1.6
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	8	1.6
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	15	1.6
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD11	7	1.59
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	3	1.59
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	6	1.59
(1,3081)	1:344:A:LEU:HD11	1:350:A:TYR:HE1	19	1.59
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	11	1.59
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	5	1.59
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	9	1.59
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	19	1.59
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	3	1.59
(1,1732)	1:411:A:LEU:HD23	1:387:A:TYR:HD1	10	1.59
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	17	1.59
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	4	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	2	1.59
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	6	1.59
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	12	1.59
(1,3483)	1:415:A:PHE:HD1	1:417:A:LYS:HB3	2	1.58
(1,3483)	1:415:A:PHE:HD1	1:402:A:ILE:HG12	9	1.58
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	11	1.58
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	19	1.58
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	9	1.58
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	17	1.58
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	6	1.58
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	17	1.58
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	11	1.58
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	18	1.58
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	19	1.58
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	20	1.58
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	7	1.58
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	3	1.58
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	4	1.58
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	9	1.58
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	17	1.58
(1,3715)	1:401:A:ASN:HD21	1:426:A:ARG:HB2	5	1.57
(1,3263)	1:372:A:LEU:HD23	1:350:A:TYR:HE1	18	1.57
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	5	1.57
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	19	1.57
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	1	1.57
(1,2251)	1:363:A:ILE:HD12	1:412:A:LEU:HD11	7	1.57
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	15	1.57
(1,2054)	1:430:A:LEU:HD11	1:397:A:TYR:HA	12	1.57
(1,1732)	1:411:A:LEU:HD21	1:387:A:TYR:HD1	15	1.57
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	9	1.57
(1,1579)	1:398:A:TYR:HD2	1:404:A:ARG:HB3	3	1.57
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	3	1.57
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	20	1.57
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	4	1.57
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	20	1.57
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	1	1.57
(1,3576)	1:413:A:PHE:HE2	1:405:A:LYS:HD3	7	1.56
(1,3545)	1:431:A:GLU:HB2	1:433:A:LEU:HD22	12	1.56
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	16	1.56
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	4	1.56
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	14	1.56
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	7	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:353:A:PHE:HE1	1:350:A:TYR:HA	8	1.56
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	1	1.56
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	9	1.56
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	5	1.56
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	18	1.56
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	10	1.56
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	14	1.56
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	16	1.56
(1,3483)	1:415:A:PHE:HD1	1:417:A:LYS:HB3	6	1.55
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD11	9	1.55
(1,3081)	1:344:A:LEU:HD12	1:350:A:TYR:HE1	10	1.55
(1,3016)	1:413:A:PHE:HD2	1:412:A:LEU:HB2	8	1.55
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	2	1.55
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	3	1.55
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	2	1.55
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	4	1.55
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	6	1.55
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	18	1.55
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	12	1.55
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD12	10	1.55
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	6	1.55
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	15	1.55
(1,962)	1:366:A:ILE:HG21	1:387:A:TYR:HD2	13	1.55
(1,938)	1:398:A:TYR:HE1	1:395:A:ARG:HD3	14	1.55
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	9	1.55
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	2	1.55
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	17	1.55
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	3	1.55
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	13	1.55
(1,3081)	1:344:A:LEU:HD11	1:350:A:TYR:HE1	8	1.54
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	17	1.54
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	10	1.54
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	9	1.54
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	4	1.54
(1,1732)	1:411:A:LEU:HD21	1:387:A:TYR:HD1	3	1.54
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	1	1.54
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	13	1.54
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	15	1.54
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD12	3	1.54
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD12	4	1.54
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	16	1.54
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	1	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	2	1.54
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	4	1.54
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	12	1.54
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	15	1.54
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	8	1.54
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	8	1.54
(1,3483)	1:415:A:PHE:HD1	1:402:A:ILE:HG12	5	1.53
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	2	1.53
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	10	1.53
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	14	1.53
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	2	1.53
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	7	1.53
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	18	1.53
(1,1732)	1:411:A:LEU:HD21	1:387:A:TYR:HD1	4	1.53
(1,1732)	1:411:A:LEU:HD22	1:387:A:TYR:HD1	13	1.53
(1,1732)	1:411:A:LEU:HD21	1:387:A:TYR:HD1	20	1.53
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	8	1.53
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	9	1.53
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	17	1.53
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	5	1.53
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	7	1.53
(1,285)	1:387:A:TYR:HE2	1:387:A:TYR:HA	7	1.53
(1,3549)	1:427:A:THR:HG23	1:426:A:ARG:HD3	7	1.52
(1,3483)	1:415:A:PHE:HD1	1:402:A:ILE:HG12	3	1.52
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	5	1.52
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD11	8	1.52
(1,3012)	1:398:A:TYR:HE1	1:405:A:LYS:HE2	3	1.52
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	17	1.52
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	8	1.52
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	11	1.52
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	14	1.52
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	19	1.52
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	2	1.52
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	10	1.52
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	20	1.52
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	2	1.52
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD13	8	1.52
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	10	1.52
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	16	1.52
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	20	1.52
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	5	1.52
(1,868)	1:361:A:SER:H	1:362:A:LYS:HD2	17	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	11	1.52
(1,3549)	1:427:A:THR:HG22	1:426:A:ARG:HD2	4	1.51
(1,3483)	1:415:A:PHE:HD1	1:417:A:LYS:HB3	13	1.51
(1,3442)	1:413:A:PHE:HZ	1:411:A:LEU:HD13	7	1.51
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD13	2	1.51
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD13	4	1.51
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	5	1.51
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	2	1.51
(1,1732)	1:411:A:LEU:HD23	1:387:A:TYR:HD1	18	1.51
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD23	8	1.51
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	16	1.51
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	5	1.51
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	3	1.51
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	14	1.51
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	5	1.51
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	3	1.51
(1,962)	1:366:A:ILE:HG21	1:387:A:TYR:HD2	8	1.51
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	14	1.51
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	3	1.51
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	6	1.51
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	10	1.51
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	19	1.51
(1,3504)	1:362:A:LYS:HE2	1:415:A:PHE:HD2	1	1.5
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	2	1.5
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	17	1.5
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD13	2	1.5
(1,3260)	1:372:A:LEU:HG	1:337:A:LEU:HD21	17	1.5
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD13	20	1.5
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	17	1.5
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	16	1.5
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	20	1.5
(1,1917)	1:420:A:ASP:HA	1:423:A:MET:HB3	11	1.5
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	12	1.5
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	6	1.5
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	11	1.5
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	10	1.5
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	14	1.5
(1,1378)	1:392:A:ARG:HA	1:392:A:ARG:HD2	5	1.5
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	13	1.5
(1,962)	1:366:A:ILE:HG22	1:387:A:TYR:HD2	1	1.5
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	16	1.5
(1,554)	1:346:A:SER:HB2	1:342:A:TYR:HD1	16	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3715)	1:401:A:ASN:HD21	1:426:A:ARG:HB2	17	1.49
(1,3545)	1:400:A:LEU:HD13	1:426:A:ARG:HB2	4	1.49
(1,3260)	1:372:A:LEU:HG	1:337:A:LEU:HD22	16	1.49
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	4	1.49
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	20	1.49
(1,3081)	1:344:A:LEU:HD11	1:350:A:TYR:HE1	14	1.49
(1,2292)	1:416:A:MET:H	1:404:A:ARG:HB2	3	1.49
(1,1816)	1:415:A:PHE:HE2	1:415:A:PHE:H	11	1.49
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	9	1.49
(1,1732)	1:411:A:LEU:HD23	1:387:A:TYR:HD1	9	1.49
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	18	1.49
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	13	1.49
(1,1294)	1:387:A:TYR:HD2	1:387:A:TYR:HA	7	1.49
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	6	1.49
(1,962)	1:366:A:ILE:HG22	1:387:A:TYR:HD2	18	1.49
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	5	1.49
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	1	1.49
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	14	1.49
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	7	1.49
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	16	1.49
(1,3549)	1:427:A:THR:HG23	1:426:A:ARG:HD3	17	1.48
(1,3483)	1:415:A:PHE:HD1	1:417:A:LYS:HB3	18	1.48
(1,3481)	1:415:A:PHE:HE1	1:338:A:TRP:HB3	1	1.48
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD11	3	1.48
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD12	4	1.48
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD11	10	1.48
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	18	1.48
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	12	1.48
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	1	1.48
(1,554)	1:346:A:SER:HB2	1:342:A:TYR:HD1	5	1.48
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	5	1.48
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	8	1.48
(1,68)	1:375:A:LEU:HD11	1:344:A:LEU:HD13	3	1.48
(1,3549)	1:427:A:THR:HG21	1:426:A:ARG:HD3	3	1.47
(1,3483)	1:415:A:PHE:HD1	1:402:A:ILE:HG12	10	1.47
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	12	1.47
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD12	7	1.47
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD13	13	1.47
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	19	1.47
(1,3081)	1:344:A:LEU:HD11	1:350:A:TYR:HE1	1	1.47
(1,3012)	1:398:A:TYR:HE1	1:405:A:LYS:HE2	11	1.47
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	14	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	5	1.47
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	6	1.47
(1,2069)	1:432:A:HIS:HA	1:435:A:SER:HB2	14	1.47
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	13	1.47
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	14	1.47
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	19	1.47
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	14	1.47
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	18	1.47
(1,962)	1:366:A:ILE:HG22	1:387:A:TYR:HD2	2	1.47
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	9	1.47
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	16	1.47
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	10	1.47
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	3	1.47
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	17	1.47
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	15	1.46
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD12	6	1.46
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	8	1.46
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	19	1.46
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	15	1.46
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	9	1.46
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	3	1.46
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	6	1.46
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	10	1.46
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	14	1.46
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	15	1.46
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	19	1.46
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	19	1.46
(1,609)	1:351:A:GLU:HB3	1:350:A:TYR:H	4	1.46
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	13	1.46
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	16	1.46
(1,3545)	1:400:A:LEU:HD13	1:426:A:ARG:HB2	11	1.45
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	7	1.45
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	5	1.45
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD13	1	1.45
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	13	1.45
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	14	1.45
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	10	1.45
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	10	1.45
(1,2942)	1:364:A:PHE:HE1	1:412:A:LEU:HA	9	1.45
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	1	1.45
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	3	1.45
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	14	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:336:A:LEU:HD11	1:430:A:LEU:HD11	12	1.45
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	13	1.45
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	10	1.45
(1,1732)	1:411:A:LEU:HD22	1:387:A:TYR:HD1	5	1.45
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD23	5	1.45
(1,1610)	1:413:A:PHE:HE2	1:405:A:LYS:HD3	8	1.45
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD11	1	1.45
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	15	1.45
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	9	1.45
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	2	1.45
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	13	1.45
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	18	1.45
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	9	1.45
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	5	1.45
(1,3549)	1:427:A:THR:HG23	1:426:A:ARG:HD3	1	1.44
(1,3483)	1:415:A:PHE:HD1	1:417:A:LYS:HB3	15	1.44
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	3	1.44
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD13	18	1.44
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD12	19	1.44
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	1	1.44
(1,3204)	1:364:A:PHE:HD2	1:363:A:ILE:HG22	11	1.44
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	13	1.44
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	1	1.44
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	15	1.44
(1,2023)	1:428:A:ASP:HB2	1:429:A:ARG:HG3	10	1.44
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	16	1.44
(1,1816)	1:415:A:PHE:HE2	1:415:A:PHE:H	17	1.44
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	7	1.44
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	18	1.44
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG21	3	1.44
(1,328)	1:413:A:PHE:HE1	1:411:A:LEU:HD21	7	1.44
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	15	1.44
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	2	1.44
(1,3545)	1:400:A:LEU:HD11	1:426:A:ARG:HB2	1	1.43
(1,3465)	1:430:A:LEU:HG	1:431:A:GLU:HG3	15	1.43
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH21	19	1.43
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD13	14	1.43
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	10	1.43
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	2	1.43
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	10	1.43
(1,2297)	1:413:A:PHE:H	1:413:A:PHE:HD1	7	1.43
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	17	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:434:A:GLU:H	1:433:A:LEU:HD23	15	1.43
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	19	1.43
(1,1738)	1:411:A:LEU:HD23	1:369:A:PRO:HB2	7	1.43
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	5	1.43
(1,1421)	1:398:A:TYR:HD1	1:395:A:ARG:HA	3	1.43
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD11	14	1.43
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD11	19	1.43
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	6	1.43
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	7	1.43
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	18	1.43
(1,3504)	1:362:A:LYS:HE3	1:361:A:SER:H	11	1.42
(1,3260)	1:372:A:LEU:HG	1:337:A:LEU:HD23	12	1.42
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD11	15	1.42
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	18	1.42
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	9	1.42
(1,3012)	1:398:A:TYR:HE1	1:405:A:LYS:HE2	7	1.42
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	13	1.42
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	16	1.42
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	15	1.42
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	16	1.42
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	13	1.42
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	9	1.42
(1,1732)	1:411:A:LEU:HD21	1:387:A:TYR:HD1	8	1.42
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	4	1.42
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	8	1.42
(1,1610)	1:413:A:PHE:HE2	1:405:A:LYS:HD3	7	1.42
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD11	16	1.42
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	15	1.42
(1,962)	1:366:A:ILE:HG22	1:387:A:TYR:HD2	12	1.42
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG23	8	1.42
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	6	1.42
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	14	1.42
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	11	1.42
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	14	1.42
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	17	1.42
(1,3204)	1:364:A:PHE:HD2	1:363:A:ILE:HG21	20	1.41
(1,3081)	1:344:A:LEU:HD11	1:350:A:TYR:HE1	15	1.41
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	4	1.41
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	14	1.41
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	16	1.41
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	1	1.41
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	19	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:366:A:ILE:HG22	1:387:A:TYR:HD2	17	1.41
(1,734)	1:364:A:PHE:HD2	1:356:A:TRP:HZ3	4	1.41
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	4	1.41
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	20	1.41
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	3	1.41
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	4	1.41
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	19	1.41
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	20	1.41
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	9	1.41
(1,3562)	1:430:A:LEU:HD23	1:397:A:TYR:HB3	15	1.4
(1,3320)	1:366:A:ILE:HD11	1:391:A:SER:HA	3	1.4
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	14	1.4
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	2	1.4
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	14	1.4
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	11	1.4
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	12	1.4
(1,2993)	1:387:A:TYR:HE2	1:390:A:MET:HB3	5	1.4
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	2	1.4
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	15	1.4
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	20	1.4
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	19	1.4
(1,1378)	1:392:A:ARG:HA	1:392:A:ARG:HD2	9	1.4
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	6	1.4
(1,912)	1:363:A:ILE:HG22	1:414:A:ARG:HD2	17	1.4
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	14	1.4
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	2	1.4
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	7	1.4
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	1	1.4
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	5	1.4
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	13	1.4
(1,3549)	1:427:A:THR:HG23	1:426:A:ARG:HD3	11	1.39
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE2	15	1.39
(1,3481)	1:415:A:PHE:HE1	1:338:A:TRP:HB3	20	1.39
(1,3320)	1:366:A:ILE:HD12	1:391:A:SER:HA	13	1.39
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	15	1.39
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	12	1.39
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	17	1.39
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	4	1.39
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	1	1.39
(1,2740)	1:417:A:LYS:H	1:415:A:PHE:HE1	1	1.39
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	13	1.39
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	11	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	17	1.39
(1,1816)	1:415:A:PHE:HE2	1:415:A:PHE:H	1	1.39
(1,1816)	1:415:A:PHE:HE2	1:415:A:PHE:H	20	1.39
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD12	2	1.39
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD11	9	1.39
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD12	11	1.39
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	6	1.39
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	12	1.39
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	9	1.39
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	12	1.39
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	17	1.39
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	11	1.39
(1,330)	1:413:A:PHE:HE1	1:411:A:LEU:HA	7	1.39
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	4	1.39
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	6	1.39
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	18	1.39
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	10	1.39
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	20	1.39
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB1	16	1.38
(1,3549)	1:427:A:THR:HG21	1:426:A:ARG:HD2	14	1.38
(1,3260)	1:372:A:LEU:HG	1:345:A:LEU:HD11	11	1.38
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	8	1.38
(1,3081)	1:344:A:LEU:HD11	1:350:A:TYR:HE1	5	1.38
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	12	1.38
(1,3002)	1:397:A:TYR:HE1	1:402:A:ILE:HG23	14	1.38
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	3	1.38
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD13	17	1.38
(1,1378)	1:392:A:ARG:HA	1:392:A:ARG:HD2	12	1.38
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	16	1.38
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	10	1.38
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	5	1.38
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	9	1.38
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	10	1.38
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	16	1.38
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	8	1.38
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	9	1.38
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	12	1.38
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	6	1.37
(1,2980)	1:350:A:TYR:HE2	1:351:A:GLU:H	19	1.37
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	19	1.37
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	6	1.37
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	13	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	12	1.37
(1,1378)	1:392:A:ARG:HA	1:392:A:ARG:HD2	11	1.37
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	2	1.37
(1,962)	1:366:A:ILE:HG23	1:387:A:TYR:HD2	19	1.37
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD12	16	1.37
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	8	1.37
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	7	1.37
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	10	1.37
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	15	1.37
(1,3715)	1:401:A:ASN:HD21	1:426:A:ARG:HB2	13	1.36
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB3	10	1.36
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB1	19	1.36
(1,3545)	1:392:A:ARG:HB3	1:433:A:LEU:HD11	3	1.36
(1,3518)	1:418:A:THR:HG22	1:421:A:GLU:HB2	15	1.36
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG21	3	1.36
(1,3481)	1:415:A:PHE:HE1	1:338:A:TRP:HB3	11	1.36
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	4	1.36
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	9	1.36
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	16	1.36
(1,3081)	1:344:A:LEU:HD12	1:350:A:TYR:HE1	20	1.36
(1,2740)	1:417:A:LYS:H	1:415:A:PHE:HE1	20	1.36
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	11	1.36
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	6	1.36
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD23	4	1.36
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD12	12	1.36
(1,1378)	1:392:A:ARG:HA	1:392:A:ARG:HD2	16	1.36
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	17	1.36
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	18	1.36
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	1	1.36
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	1	1.36
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	19	1.36
(1,131)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	16	1.36
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	13	1.36
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB2	17	1.35
(1,3549)	1:427:A:THR:HG21	1:426:A:ARG:HD2	12	1.35
(1,3204)	1:363:A:ILE:HG23	1:409:A:GLN:HE22	12	1.35
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH11	3	1.35
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	12	1.35
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	3	1.35
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	7	1.35
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	19	1.35
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	18	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2297)	1:413:A:PHE:H	1:413:A:PHE:HD1	8	1.35
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	16	1.35
(1,2075)	1:436:A:GLN:HE22	1:433:A:LEU:HA	20	1.35
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	9	1.35
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	10	1.35
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	18	1.35
(1,1821)	1:415:A:PHE:HD1	1:416:A:MET:H	17	1.35
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD12	20	1.35
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	14	1.35
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	19	1.35
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	7	1.35
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	8	1.35
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	17	1.35
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	11	1.34
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB1	1	1.34
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB2	15	1.34
(1,3545)	1:400:A:LEU:HD11	1:426:A:ARG:HB2	9	1.34
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG21	6	1.34
(1,3481)	1:415:A:PHE:HE1	1:338:A:TRP:HB3	17	1.34
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	9	1.34
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	19	1.34
(1,3260)	1:372:A:LEU:HG	1:337:A:LEU:HD23	5	1.34
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	9	1.34
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	4	1.34
(1,2826)	1:406:A:GLU:H	1:413:A:PHE:HD2	8	1.34
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	14	1.34
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	19	1.34
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	1	1.34
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	2	1.34
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	5	1.34
(1,1821)	1:415:A:PHE:HD1	1:416:A:MET:H	1	1.34
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	2	1.34
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	16	1.34
(1,1762)	1:413:A:PHE:HD1	1:412:A:LEU:HD13	8	1.34
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD23	9	1.34
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD12	6	1.34
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	12	1.34
(1,314)	1:398:A:TYR:HD2	1:397:A:TYR:HB2	15	1.34
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	4	1.34
(1,3593)	1:429:A:ARG:HD3	1:400:A:LEU:HD21	19	1.33
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	6	1.33
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB3	9	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3549)	1:427:A:THR:HG21	1:426:A:ARG:HD3	13	1.33
(1,3514)	1:418:A:THR:HG23	1:415:A:PHE:HD1	15	1.33
(1,3320)	1:366:A:ILE:HD11	1:391:A:SER:HA	12	1.33
(1,3320)	1:366:A:ILE:HD11	1:391:A:SER:HA	17	1.33
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	2	1.33
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	4	1.33
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	9	1.33
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	20	1.33
(1,1821)	1:415:A:PHE:HD1	1:416:A:MET:H	20	1.33
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	17	1.33
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	12	1.33
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG23	15	1.33
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	4	1.33
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	13	1.33
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	10	1.33
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	9	1.33
(1,68)	1:375:A:LEU:HD13	1:344:A:LEU:HD11	1	1.33
(1,68)	1:375:A:LEU:HD11	1:344:A:LEU:HD13	2	1.33
(1,68)	1:375:A:LEU:HD11	1:344:A:LEU:HD13	4	1.33
(1,68)	1:375:A:LEU:HD13	1:344:A:LEU:HD13	6	1.33
(1,3755)	1:402:A:ILE:H	1:403:A:ILE:HG22	14	1.32
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB2	4	1.32
(1,3545)	1:400:A:LEU:HD13	1:426:A:ARG:HB2	19	1.32
(1,3514)	1:418:A:THR:HG22	1:415:A:PHE:HD1	10	1.32
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	7	1.32
(1,3320)	1:366:A:ILE:HD12	1:391:A:SER:HA	10	1.32
(1,3120)	1:354:A:ILE:HD12	1:346:A:SER:H	7	1.32
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	19	1.32
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	16	1.32
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	5	1.32
(1,3012)	1:398:A:TYR:HE1	1:405:A:LYS:HE2	6	1.32
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	5	1.32
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	9	1.32
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	13	1.32
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	16	1.32
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	16	1.32
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD13	18	1.32
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	4	1.32
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	7	1.32
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	5	1.32
(1,68)	1:375:A:LEU:HD12	1:344:A:LEU:HD13	9	1.32
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB1	7	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB2	8	1.31
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB2	14	1.31
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB1	18	1.31
(1,3549)	1:427:A:THR:HG23	1:426:A:ARG:HD3	9	1.31
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	2	1.31
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	11	1.31
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	16	1.31
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	3	1.31
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	20	1.31
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	19	1.31
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	18	1.31
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD13	15	1.31
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	8	1.31
(1,1821)	1:415:A:PHE:HD1	1:416:A:MET:H	11	1.31
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD13	13	1.31
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	8	1.31
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG22	14	1.31
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG22	16	1.31
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	2	1.31
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	15	1.31
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB2	11	1.3
(1,3320)	1:366:A:ILE:HD11	1:391:A:SER:HA	16	1.3
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	5	1.3
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	12	1.3
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	18	1.3
(1,2519)	1:371:A:GLY:H	1:353:A:PHE:HE2	6	1.3
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	13	1.3
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	14	1.3
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	5	1.3
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	7	1.3
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	20	1.3
(1,1891)	1:419:A:PRO:HA	1:422:A:ILE:HG12	14	1.3
(1,1738)	1:411:A:LEU:HD22	1:369:A:PRO:HB2	16	1.3
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	10	1.3
(1,912)	1:363:A:ILE:HG21	1:414:A:ARG:HD2	20	1.3
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	3	1.3
(1,68)	1:375:A:LEU:HD13	1:344:A:LEU:HD11	5	1.3
(1,24)	1:376:A:TRP:HD1	1:380:A:LYS:HE2	13	1.3
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	16	1.29
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	9	1.29
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	10	1.29
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB1	2	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB2	3	1.29
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	3	1.29
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD11	4	1.29
(1,2937)	1:355:A:ARG:H	1:364:A:PHE:HD1	6	1.29
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	4	1.29
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	1	1.29
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	14	1.29
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	18	1.29
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	20	1.29
(1,1738)	1:411:A:LEU:HD23	1:369:A:PRO:HB2	12	1.29
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	9	1.29
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD12	5	1.29
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	20	1.29
(1,68)	1:375:A:LEU:HD12	1:344:A:LEU:HD13	12	1.29
(1,68)	1:375:A:LEU:HD12	1:344:A:LEU:HD11	14	1.29
(1,68)	1:375:A:LEU:HD11	1:344:A:LEU:HD11	15	1.29
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	5	1.28
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	13	1.28
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	20	1.28
(1,3573)	1:336:A:LEU:HD22	1:397:A:TYR:HE1	17	1.28
(1,3549)	1:427:A:THR:HG22	1:426:A:ARG:HD3	18	1.28
(1,3518)	1:427:A:THR:HG21	1:431:A:GLU:HG3	5	1.28
(1,3514)	1:418:A:THR:HG22	1:415:A:PHE:HD1	5	1.28
(1,3477)	1:403:A:ILE:HB	1:415:A:PHE:HE2	17	1.28
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	14	1.28
(1,3388)	1:402:A:ILE:HG22	1:419:A:PRO:HA	11	1.28
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	4	1.28
(1,3344)	1:394:A:LEU:HD11	1:387:A:TYR:HD1	8	1.28
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	6	1.28
(1,3204)	1:364:A:PHE:HD2	1:363:A:ILE:HG22	17	1.28
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	1	1.28
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	6	1.28
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	7	1.28
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG22	1	1.28
(1,2740)	1:417:A:LYS:H	1:415:A:PHE:HE1	11	1.28
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	8	1.28
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	17	1.28
(1,1762)	1:413:A:PHE:HD1	1:412:A:LEU:HD13	7	1.28
(1,1738)	1:411:A:LEU:HD23	1:369:A:PRO:HB2	19	1.28
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD11	18	1.28
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	19	1.28
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG23	10	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	17	1.28
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	19	1.28
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	9	1.28
(1,68)	1:375:A:LEU:HD13	1:344:A:LEU:HD13	13	1.28
(1,68)	1:375:A:LEU:HD12	1:344:A:LEU:HD12	18	1.28
(1,3593)	1:429:A:ARG:HD2	1:400:A:LEU:HD23	2	1.27
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB2	12	1.27
(1,3545)	1:400:A:LEU:HD12	1:426:A:ARG:HB2	13	1.27
(1,3545)	1:400:A:LEU:HD13	1:426:A:ARG:HB2	20	1.27
(1,3388)	1:338:A:TRP:HA	1:402:A:ILE:HG22	16	1.27
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	2	1.27
(1,3012)	1:398:A:TYR:HE2	1:397:A:TYR:HB2	12	1.27
(1,3012)	1:398:A:TYR:HE1	1:405:A:LYS:HE2	15	1.27
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	5	1.27
(1,2941)	1:364:A:PHE:HE1	1:354:A:ILE:HD13	1	1.27
(1,2518)	1:371:A:GLY:H	1:353:A:PHE:HD2	6	1.27
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	3	1.27
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD13	5	1.27
(1,1738)	1:411:A:LEU:HD23	1:369:A:PRO:HB2	1	1.27
(1,1390)	1:397:A:TYR:HE1	1:394:A:LEU:HA	20	1.27
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	3	1.27
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	4	1.27
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	8	1.27
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	10	1.27
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	10	1.27
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG23	5	1.27
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD11	4	1.27
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	12	1.27
(1,68)	1:375:A:LEU:HD12	1:344:A:LEU:HD13	7	1.27
(1,68)	1:375:A:LEU:HD13	1:344:A:LEU:HD12	10	1.27
(1,68)	1:375:A:LEU:HD13	1:344:A:LEU:HD13	16	1.27
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD21	6	1.26
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	18	1.26
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB1	6	1.26
(1,3545)	1:400:A:LEU:HD11	1:426:A:ARG:HB2	16	1.26
(1,3426)	1:410:A:ARG:HA	1:411:A:LEU:HD12	8	1.26
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	8	1.26
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	3	1.26
(1,3204)	1:364:A:PHE:HD2	1:363:A:ILE:HG22	7	1.26
(1,3204)	1:364:A:PHE:HD2	1:363:A:ILE:HG21	15	1.26
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	3	1.26
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	17	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	1	1.26
(1,2069)	1:432:A:HIS:HA	1:435:A:SER:HB2	1	1.26
(1,2052)	1:338:A:TRP:HD1	1:430:A:LEU:HD11	12	1.26
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	17	1.26
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	13	1.26
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	2	1.26
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG21	7	1.26
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD11	19	1.26
(1,330)	1:413:A:PHE:HE1	1:411:A:LEU:HA	8	1.26
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	19	1.26
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	20	1.26
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	11	1.26
(1,68)	1:375:A:LEU:HD11	1:344:A:LEU:HD12	20	1.26
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB2	5	1.25
(1,3514)	1:418:A:THR:HG21	1:415:A:PHE:HD1	16	1.25
(1,3513)	1:418:A:THR:HG21	1:417:A:LYS:H	2	1.25
(1,3388)	1:338:A:TRP:HA	1:402:A:ILE:HG23	2	1.25
(1,3388)	1:338:A:TRP:HA	1:402:A:ILE:HG23	13	1.25
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	10	1.25
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	1	1.25
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	3	1.25
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	11	1.25
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	17	1.25
(1,3120)	1:354:A:ILE:HD11	1:346:A:SER:H	8	1.25
(1,3012)	1:398:A:TYR:HE1	1:405:A:LYS:HE2	18	1.25
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	16	1.25
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	18	1.25
(1,3002)	1:397:A:TYR:HE1	1:402:A:ILE:HG22	6	1.25
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	2	1.25
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	10	1.25
(1,1822)	1:415:A:PHE:HD2	1:364:A:PHE:HE2	11	1.25
(1,1738)	1:411:A:LEU:HD21	1:369:A:PRO:HB2	17	1.25
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	3	1.25
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	11	1.25
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	2	1.25
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	8	1.25
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	15	1.25
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	11	1.25
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	11	1.25
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	14	1.25
(1,68)	1:375:A:LEU:HD12	1:344:A:LEU:HD11	8	1.25
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD23	1	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	8	1.24
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD23	13	1.24
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	3	1.24
(1,3568)	1:336:A:LEU:HD13	1:338:A:TRP:HB3	3	1.24
(1,3545)	1:400:A:LEU:HD13	1:426:A:ARG:HB2	14	1.24
(1,3514)	1:418:A:THR:HG22	1:415:A:PHE:HD1	2	1.24
(1,3388)	1:402:A:ILE:HG23	1:419:A:PRO:HA	5	1.24
(1,3388)	1:402:A:ILE:HG23	1:419:A:PRO:HA	6	1.24
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD21	6	1.24
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	5	1.24
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	4	1.24
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	20	1.24
(1,3099)	1:350:A:TYR:HD1	1:349:A:ARG:HB3	13	1.24
(1,3099)	1:350:A:TYR:HD1	1:349:A:ARG:HB3	15	1.24
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG23	5	1.24
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	7	1.24
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	15	1.24
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	12	1.24
(1,2159)	1:336:A:LEU:HD23	1:339:A:ASP:HB2	20	1.24
(1,1738)	1:411:A:LEU:HD21	1:369:A:PRO:HB2	10	1.24
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD11	7	1.24
(1,1406)	1:387:A:TYR:HE2	1:394:A:LEU:HD11	15	1.24
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	5	1.24
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	6	1.24
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	13	1.24
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	16	1.24
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	5	1.24
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	2	1.24
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	6	1.24
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	17	1.24
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	2	1.23
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD21	5	1.23
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	17	1.23
(1,3701)	1:371:A:GLY:H	1:411:A:LEU:HD13	3	1.23
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB1	20	1.23
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG22	14	1.23
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	8	1.23
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	5	1.23
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	6	1.23
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	13	1.23
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	7	1.23
(1,3002)	1:397:A:TYR:HE1	1:402:A:ILE:HG21	10	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD12	5	1.23
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD12	14	1.23
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	16	1.23
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	5	1.23
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	10	1.23
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	19	1.23
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	13	1.23
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	4	1.23
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	9	1.23
(1,2075)	1:436:A:GLN:HE22	1:433:A:LEU:HA	16	1.23
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD23	5	1.23
(1,1738)	1:411:A:LEU:HD22	1:369:A:PRO:HB2	3	1.23
(1,1738)	1:411:A:LEU:HD21	1:369:A:PRO:HB2	14	1.23
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	1	1.23
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	17	1.23
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	4	1.23
(1,68)	1:375:A:LEU:HD11	1:344:A:LEU:HD11	19	1.23
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD21	3	1.22
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	8	1.22
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	16	1.22
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG22	7	1.22
(1,3388)	1:402:A:ILE:HG23	1:419:A:PRO:HA	1	1.22
(1,3388)	1:402:A:ILE:HG22	1:419:A:PRO:HA	10	1.22
(1,3388)	1:402:A:ILE:HG21	1:419:A:PRO:HA	12	1.22
(1,3388)	1:402:A:ILE:HG22	1:419:A:PRO:HA	15	1.22
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	2	1.22
(1,3344)	1:394:A:LEU:HD13	1:387:A:TYR:HD1	5	1.22
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	4	1.22
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	18	1.22
(1,3099)	1:350:A:TYR:HD1	1:349:A:ARG:HB3	14	1.22
(1,3081)	1:344:A:LEU:HD12	1:350:A:TYR:HE1	18	1.22
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	13	1.22
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD12	13	1.22
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	10	1.22
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	18	1.22
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	5	1.22
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	18	1.22
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	15	1.22
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	14	1.22
(1,1738)	1:411:A:LEU:HD22	1:369:A:PRO:HB2	20	1.22
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	2	1.22
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	16	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	4	1.22
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	18	1.22
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	12	1.22
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	12	1.22
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	15	1.21
(1,3715)	1:401:A:ASN:HD21	1:426:A:ARG:HB2	2	1.21
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	7	1.21
(1,3513)	1:418:A:THR:HG21	1:417:A:LYS:H	10	1.21
(1,3388)	1:338:A:TRP:HA	1:402:A:ILE:HG23	17	1.21
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD23	19	1.21
(1,3344)	1:394:A:LEU:HD13	1:387:A:TYR:HD1	4	1.21
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	8	1.21
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	10	1.21
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HB3	15	1.21
(1,3082)	1:344:A:LEU:HD11	1:337:A:LEU:HA	10	1.21
(1,3065)	1:335:A:ARG:HB3	1:342:A:TYR:HB2	13	1.21
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	17	1.21
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	13	1.21
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	13	1.21
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	9	1.21
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	10	1.21
(1,2069)	1:432:A:HIS:HA	1:435:A:SER:HB2	10	1.21
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	11	1.21
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	14	1.21
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	14	1.21
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	18	1.21
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG22	8	1.21
(1,912)	1:363:A:ILE:HG21	1:414:A:ARG:HD2	18	1.21
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD12	14	1.21
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	18	1.21
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	12	1.21
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	10	1.2
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	4	1.2
(1,3545)	1:400:A:LEU:HD11	1:426:A:ARG:HB2	18	1.2
(1,3514)	1:418:A:THR:HG23	1:415:A:PHE:HD1	8	1.2
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	15	1.2
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	16	1.2
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	7	1.2
(1,3150)	1:364:A:PHE:HB2	1:356:A:TRP:HH2	15	1.2
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	10	1.2
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	12	1.2
(1,3082)	1:344:A:LEU:HD13	1:337:A:LEU:HA	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	7	1.2
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	1	1.2
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG23	4	1.2
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD11	3	1.2
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD11	6	1.2
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD13	9	1.2
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	20	1.2
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD13	14	1.2
(1,1738)	1:411:A:LEU:HD23	1:369:A:PRO:HB2	6	1.2
(1,1738)	1:411:A:LEU:HD21	1:369:A:PRO:HB2	11	1.2
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	2	1.2
(1,1209)	1:376:A:TRP:HZ3	1:380:A:LYS:HD2	4	1.2
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	5	1.2
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	11	1.2
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	7	1.2
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	7	1.2
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	14	1.2
(1,68)	1:375:A:LEU:HD13	1:344:A:LEU:HD13	17	1.2
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG13	11	1.19
(1,3586)	1:386:A:THR:H	1:373:A:ALA:HB1	13	1.19
(1,3545)	1:392:A:ARG:HB2	1:433:A:LEU:HD12	6	1.19
(1,3513)	1:418:A:THR:HG23	1:417:A:LYS:H	6	1.19
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG22	20	1.19
(1,3477)	1:403:A:ILE:HB	1:415:A:PHE:HE2	11	1.19
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD1	8	1.19
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD21	20	1.19
(1,3368)	1:349:A:ARG:HA	1:350:A:TYR:HE1	17	1.19
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	1	1.19
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	10	1.19
(1,3082)	1:344:A:LEU:HD13	1:337:A:LEU:HA	8	1.19
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	15	1.19
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD12	2	1.19
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD13	18	1.19
(1,2740)	1:417:A:LYS:H	1:415:A:PHE:HE1	17	1.19
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	6	1.19
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	9	1.19
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	2	1.19
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	19	1.19
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	2	1.19
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	12	1.19
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	15	1.19
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	1	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD13	9	1.19
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	5	1.19
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	1	1.19
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	1	1.19
(1,143)	1:364:A:PHE:HA	1:357:A:GLU:HB3	13	1.19
(1,3571)	1:336:A:LEU:HD22	1:376:A:TRP:HZ2	17	1.18
(1,3545)	1:400:A:LEU:HD12	1:426:A:ARG:HB2	2	1.18
(1,3514)	1:418:A:THR:HG21	1:415:A:PHE:HD1	3	1.18
(1,3503)	1:417:A:LYS:HE2	1:418:A:THR:H	13	1.18
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	17	1.18
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG22	3	1.18
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	16	1.18
(1,3082)	1:344:A:LEU:HD11	1:345:A:LEU:HA	7	1.18
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG22	3	1.18
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG23	7	1.18
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG22	8	1.18
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	8	1.18
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	11	1.18
(1,2491)	1:366:A:ILE:H	1:364:A:PHE:HD1	4	1.18
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	5	1.18
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	4	1.18
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	7	1.18
(1,2159)	1:336:A:LEU:HD21	1:339:A:ASP:HB2	8	1.18
(1,2075)	1:436:A:GLN:HE22	1:433:A:LEU:HA	2	1.18
(1,2069)	1:432:A:HIS:HA	1:435:A:SER:HB2	17	1.18
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	18	1.18
(1,1813)	1:415:A:PHE:HE2	1:364:A:PHE:HE2	11	1.18
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	10	1.18
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	17	1.18
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	19	1.18
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	15	1.18
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	16	1.18
(1,1164)	1:377:A:GLY:HA3	1:380:A:LYS:HE2	20	1.18
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	3	1.18
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	5	1.18
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	17	1.18
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	20	1.18
(1,912)	1:363:A:ILE:HG21	1:414:A:ARG:HD2	5	1.18
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD12	18	1.18
(1,441)	1:341:A:VAL:HG11	1:340:A:TYR:HB2	1	1.18
(1,441)	1:341:A:VAL:HG13	1:340:A:TYR:HB2	3	1.18
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	17	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	11	1.18
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG11	1	1.17
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	1	1.17
(1,3592)	1:417:A:LYS:HG2	1:422:A:ILE:HG13	15	1.17
(1,3514)	1:418:A:THR:HG21	1:415:A:PHE:HD1	9	1.17
(1,3388)	1:402:A:ILE:HG21	1:419:A:PRO:HA	20	1.17
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD23	13	1.17
(1,3150)	1:356:A:TRP:HH2	1:359:A:LYS:HE3	16	1.17
(1,3002)	1:397:A:TYR:HE1	1:402:A:ILE:HG21	19	1.17
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	13	1.17
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	7	1.17
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	19	1.17
(1,2815)	1:436:A:GLN:HE22	1:435:A:SER:HB3	6	1.17
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	4	1.17
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	16	1.17
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	1	1.17
(1,1738)	1:411:A:LEU:HD22	1:369:A:PRO:HB2	15	1.17
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	14	1.17
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD11	6	1.17
(1,3701)	1:371:A:GLY:H	1:411:A:LEU:HD12	4	1.16
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG13	7	1.16
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG12	16	1.16
(1,3573)	1:336:A:LEU:HD23	1:397:A:TYR:HE1	1	1.16
(1,3573)	1:336:A:LEU:HD23	1:397:A:TYR:HE1	14	1.16
(1,3545)	1:400:A:LEU:HD11	1:426:A:ARG:HB2	15	1.16
(1,3514)	1:418:A:THR:HG21	1:415:A:PHE:HD2	20	1.16
(1,3395)	1:403:A:ILE:HD11	1:415:A:PHE:HB2	10	1.16
(1,3388)	1:402:A:ILE:HG22	1:419:A:PRO:HA	9	1.16
(1,3344)	1:394:A:LEU:HD13	1:387:A:TYR:HD1	11	1.16
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	6	1.16
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	6	1.16
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	13	1.16
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	18	1.16
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HB3	17	1.16
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD23	19	1.16
(1,3081)	1:344:A:LEU:HD13	1:350:A:TYR:HE1	11	1.16
(1,3065)	1:385:A:MET:HB3	1:380:A:LYS:HE2	10	1.16
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	15	1.16
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG21	11	1.16
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	10	1.16
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	17	1.16
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	5	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	8	1.16
(1,2159)	1:336:A:LEU:HD21	1:339:A:ASP:HB2	3	1.16
(1,2159)	1:336:A:LEU:HD21	1:339:A:ASP:HB2	12	1.16
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	9	1.16
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	17	1.16
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	13	1.16
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	18	1.16
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	1	1.16
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	3	1.16
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	4	1.16
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	9	1.16
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD12	2	1.16
(1,441)	1:341:A:VAL:HG13	1:340:A:TYR:HB2	10	1.16
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	6	1.16
(1,232)	1:342:A:TYR:HE2	1:415:A:PHE:HD1	17	1.16
(1,3514)	1:418:A:THR:HG21	1:415:A:PHE:HD1	6	1.15
(1,3514)	1:418:A:THR:HG23	1:415:A:PHE:HD2	11	1.15
(1,3513)	1:418:A:THR:HG23	1:417:A:LYS:H	4	1.15
(1,3513)	1:418:A:THR:HG22	1:417:A:LYS:H	8	1.15
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG22	2	1.15
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG22	17	1.15
(1,3399)	1:403:A:ILE:HD12	1:413:A:PHE:HD2	4	1.15
(1,3388)	1:402:A:ILE:HG21	1:419:A:PRO:HA	14	1.15
(1,3388)	1:402:A:ILE:HG21	1:419:A:PRO:HA	18	1.15
(1,3221)	1:410:A:ARG:HD3	1:409:A:GLN:HG2	12	1.15
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE2	3	1.15
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG22	9	1.15
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG22	20	1.15
(1,3119)	1:354:A:ILE:HG21	1:375:A:LEU:HD23	8	1.15
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	1	1.15
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	11	1.15
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	20	1.15
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG23	2	1.15
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG23	13	1.15
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG22	16	1.15
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	1	1.15
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	2	1.15
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	19	1.15
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	13	1.15
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	3	1.15
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	11	1.15
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD12	3	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD11	10	1.15
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	7	1.15
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	19	1.15
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	7	1.15
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	18	1.15
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	20	1.15
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	4	1.15
(1,693)	1:355:A:ARG:HB2	1:355:A:ARG:HD2	17	1.15
(1,441)	1:341:A:VAL:HG11	1:340:A:TYR:HB2	6	1.15
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	14	1.15
(1,441)	1:341:A:VAL:HG11	1:340:A:TYR:HB2	16	1.15
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	11	1.14
(1,3715)	1:401:A:ASN:HD21	1:426:A:ARG:HB2	1	1.14
(1,3701)	1:371:A:GLY:H	1:411:A:LEU:HD11	8	1.14
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG11	10	1.14
(1,3513)	1:418:A:THR:HG21	1:417:A:LYS:H	18	1.14
(1,3395)	1:403:A:ILE:HD11	1:415:A:PHE:HB2	7	1.14
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD21	5	1.14
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	11	1.14
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	4	1.14
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	12	1.14
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	4	1.14
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	20	1.14
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB1	11	1.14
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	16	1.14
(1,2706)	1:409:A:GLN:HE21	1:410:A:ARG:HG2	4	1.14
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	1	1.14
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	12	1.14
(1,2201)	1:337:A:LEU:HD13	1:376:A:TRP:HH2	3	1.14
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	14	1.14
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	2	1.14
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	11	1.14
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	20	1.14
(1,1738)	1:411:A:LEU:HD21	1:369:A:PRO:HB2	18	1.14
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	16	1.14
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG3	13	1.14
(1,554)	1:346:A:SER:HB2	1:342:A:TYR:HD1	11	1.14
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG11	12	1.13
(1,3701)	1:371:A:GLY:H	1:372:A:LEU:HD13	13	1.13
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG12	14	1.13
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	2	1.13
(1,3549)	1:427:A:THR:HG21	1:426:A:ARG:HD3	2	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3514)	1:418:A:THR:HG21	1:415:A:PHE:HD1	4	1.13
(1,3514)	1:418:A:THR:HG23	1:415:A:PHE:HD1	7	1.13
(1,3513)	1:418:A:THR:HG22	1:417:A:LYS:H	1	1.13
(1,3513)	1:418:A:THR:HG22	1:417:A:LYS:H	11	1.13
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG23	10	1.13
(1,3477)	1:403:A:ILE:HB	1:415:A:PHE:HE2	1	1.13
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD21	14	1.13
(1,3344)	1:394:A:LEU:HD12	1:387:A:TYR:HD1	15	1.13
(1,3156)	1:356:A:TRP:HE3	1:364:A:PHE:HD1	11	1.13
(1,3150)	1:356:A:TRP:HH2	1:359:A:LYS:HE2	12	1.13
(1,3146)	1:356:A:TRP:HB2	1:364:A:PHE:HB2	13	1.13
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD21	18	1.13
(1,3082)	1:344:A:LEU:HD12	1:337:A:LEU:HA	4	1.13
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	6	1.13
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD11	10	1.13
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD12	16	1.13
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	14	1.13
(1,2725)	1:414:A:ARG:H	1:413:A:PHE:HD2	8	1.13
(1,2683)	1:404:A:ARG:H	1:398:A:TYR:HD2	3	1.13
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	10	1.13
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	4	1.13
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG21	15	1.13
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	5	1.13
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	18	1.13
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	6	1.13
(1,1738)	1:411:A:LEU:HD23	1:369:A:PRO:HB2	13	1.13
(1,1216)	1:380:A:LYS:HA	1:380:A:LYS:HE3	13	1.13
(1,1186)	1:380:A:LYS:HA	1:379:A:HIS:HB2	8	1.13
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	8	1.13
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	9	1.13
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD11	5	1.13
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	12	1.13
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	20	1.13
(1,68)	1:375:A:LEU:HD11	1:344:A:LEU:HD13	11	1.13
(1,3701)	1:371:A:GLY:H	1:372:A:LEU:HD13	6	1.12
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG11	9	1.12
(1,3573)	1:336:A:LEU:HD21	1:397:A:TYR:HE1	4	1.12
(1,3573)	1:336:A:LEU:HD21	1:397:A:TYR:HE1	9	1.12
(1,3573)	1:336:A:LEU:HD23	1:397:A:TYR:HE1	11	1.12
(1,3571)	1:336:A:LEU:HD23	1:376:A:TRP:HZ2	19	1.12
(1,3510)	1:418:A:THR:HA	1:419:A:PRO:HG2	12	1.12
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG22	18	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3477)	1:415:A:PHE:HE1	1:419:A:PRO:HG2	13	1.12
(1,3477)	1:403:A:ILE:HB	1:415:A:PHE:HE2	20	1.12
(1,3395)	1:403:A:ILE:HD13	1:415:A:PHE:HB2	9	1.12
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD21	3	1.12
(1,3168)	1:359:A:LYS:HA	1:358:A:ASP:HB3	20	1.12
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	10	1.12
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	11	1.12
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	10	1.12
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	2	1.12
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	14	1.12
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	14	1.12
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	2	1.12
(1,2201)	1:337:A:LEU:HD11	1:376:A:TRP:HH2	10	1.12
(1,1624)	1:405:A:LYS:HE2	1:413:A:PHE:HE2	7	1.12
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	9	1.12
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	10	1.12
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	7	1.12
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG23	18	1.12
(1,441)	1:341:A:VAL:HG11	1:340:A:TYR:HB2	4	1.12
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	19	1.12
(1,389)	1:337:A:LEU:HD21	1:393:A:ALA:HB1	17	1.12
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	15	1.12
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	12	1.11
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG13	18	1.11
(1,3545)	1:400:A:LEU:HD13	1:426:A:ARG:HB2	17	1.11
(1,3513)	1:418:A:THR:HG22	1:417:A:LYS:H	15	1.11
(1,3395)	1:403:A:ILE:HD11	1:415:A:PHE:HB2	15	1.11
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	9	1.11
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	6	1.11
(1,3168)	1:359:A:LYS:HA	1:358:A:ASP:HB3	2	1.11
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG21	1	1.11
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG23	4	1.11
(1,3119)	1:354:A:ILE:HG22	1:375:A:LEU:HD22	10	1.11
(1,3119)	1:354:A:ILE:HG21	1:375:A:LEU:HD21	15	1.11
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	1	1.11
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	5	1.11
(1,3082)	1:344:A:LEU:HD12	1:345:A:LEU:HA	1	1.11
(1,3082)	1:344:A:LEU:HD11	1:345:A:LEU:HA	3	1.11
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	14	1.11
(1,2941)	1:364:A:PHE:HE2	1:403:A:ILE:HD11	19	1.11
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG21	10	1.11
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	2	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	1	1.11
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	3	1.11
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	8	1.11
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	11	1.11
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	20	1.11
(1,2201)	1:337:A:LEU:HD11	1:376:A:TRP:HH2	12	1.11
(1,2201)	1:337:A:LEU:HD13	1:376:A:TRP:HH2	14	1.11
(1,2175)	1:353:A:PHE:HZ	1:368:A:ASP:HB2	6	1.11
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	9	1.11
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	16	1.11
(1,2065)	1:431:A:GLU:HG2	1:428:A:ASP:HA	16	1.11
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	4	1.11
(1,1731)	1:411:A:LEU:HD22	1:387:A:TYR:HE1	12	1.11
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	10	1.11
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	7	1.11
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG23	3	1.11
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG21	17	1.11
(1,721)	1:345:A:LEU:HD12	1:356:A:TRP:HZ2	12	1.11
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD12	1	1.11
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	11	1.11
(1,389)	1:337:A:LEU:HD23	1:393:A:ALA:HB2	10	1.11
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	10	1.11
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD21	9	1.1
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	18	1.1
(1,3592)	1:417:A:LYS:HG2	1:422:A:ILE:HG13	17	1.1
(1,3573)	1:336:A:LEU:HD23	1:397:A:TYR:HE1	7	1.1
(1,3514)	1:418:A:THR:HG22	1:415:A:PHE:HD1	18	1.1
(1,3513)	1:418:A:THR:HG23	1:417:A:LYS:H	9	1.1
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	6	1.1
(1,3388)	1:402:A:ILE:HG21	1:419:A:PRO:HA	4	1.1
(1,3344)	1:394:A:LEU:HD12	1:387:A:TYR:HD1	16	1.1
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	11	1.1
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	7	1.1
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	18	1.1
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	19	1.1
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	12	1.1
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	19	1.1
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	9	1.1
(1,2075)	1:436:A:GLN:HE22	1:433:A:LEU:HA	17	1.1
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	12	1.1
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG22	5	1.1
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG21	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:363:A:ILE:HG23	1:414:A:ARG:HD2	1	1.1
(1,721)	1:345:A:LEU:HD12	1:356:A:TRP:HZ2	7	1.1
(1,651)	1:354:A:ILE:HG22	1:345:A:LEU:HD21	9	1.1
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	3	1.1
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	18	1.1
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD22	4	1.09
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG11	19	1.09
(1,3545)	1:400:A:LEU:HD13	1:426:A:ARG:HB2	10	1.09
(1,3513)	1:418:A:THR:HG23	1:417:A:LYS:H	3	1.09
(1,3513)	1:418:A:THR:HG21	1:417:A:LYS:H	5	1.09
(1,3513)	1:418:A:THR:HG22	1:417:A:LYS:H	7	1.09
(1,3513)	1:418:A:THR:HG23	1:417:A:LYS:H	17	1.09
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD21	7	1.09
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	20	1.09
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG21	5	1.09
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG22	12	1.09
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG22	18	1.09
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD21	20	1.09
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG13	14	1.09
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	7	1.09
(1,3082)	1:344:A:LEU:HD13	1:337:A:LEU:HA	15	1.09
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	16	1.09
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	8	1.09
(1,3002)	1:397:A:TYR:HE1	1:402:A:ILE:HG22	5	1.09
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	6	1.09
(1,2482)	1:365:A:ARG:H	1:364:A:PHE:HD1	2	1.09
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	5	1.09
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	13	1.09
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	19	1.09
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD12	2	1.09
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	4	1.09
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	20	1.09
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD23	13	1.09
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	8	1.09
(1,1209)	1:376:A:TRP:HZ3	1:380:A:LYS:HD2	7	1.09
(1,721)	1:345:A:LEU:HD13	1:356:A:TRP:HZ2	1	1.09
(1,721)	1:345:A:LEU:HD13	1:356:A:TRP:HZ2	2	1.09
(1,721)	1:345:A:LEU:HD11	1:356:A:TRP:HZ2	9	1.09
(1,721)	1:345:A:LEU:HD11	1:356:A:TRP:HZ2	11	1.09
(1,721)	1:345:A:LEU:HD11	1:356:A:TRP:HZ2	17	1.09
(1,553)	1:346:A:SER:HB2	1:347:A:ASP:HB3	2	1.09
(1,553)	1:346:A:SER:HB2	1:347:A:ASP:HB3	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	9	1.09
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	8	1.09
(1,3573)	1:336:A:LEU:HD21	1:397:A:TYR:HE1	2	1.08
(1,3561)	1:430:A:LEU:HD23	1:427:A:THR:HB	2	1.08
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD22	20	1.08
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG22	12	1.08
(1,3388)	1:402:A:ILE:HG21	1:419:A:PRO:HA	7	1.08
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	11	1.08
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	18	1.08
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	19	1.08
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	8	1.08
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	20	1.08
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	11	1.08
(1,3258)	1:419:A:PRO:HG3	1:356:A:TRP:HH2	15	1.08
(1,3221)	1:410:A:ARG:HD3	1:409:A:GLN:HG2	20	1.08
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	5	1.08
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	14	1.08
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD23	16	1.08
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	6	1.08
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	13	1.08
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	12	1.08
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	5	1.08
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	11	1.08
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	10	1.08
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	19	1.08
(1,1209)	1:376:A:TRP:HZ3	1:380:A:LYS:HD2	1	1.08
(1,1209)	1:376:A:TRP:HZ3	1:380:A:LYS:HD2	16	1.08
(1,912)	1:363:A:ILE:HG21	1:414:A:ARG:HD2	12	1.08
(1,721)	1:345:A:LEU:HD13	1:356:A:TRP:HZ2	14	1.08
(1,721)	1:345:A:LEU:HD11	1:356:A:TRP:HZ2	15	1.08
(1,693)	1:355:A:ARG:HB2	1:355:A:ARG:HD2	20	1.08
(1,553)	1:346:A:SER:HB2	1:347:A:ASP:HB3	11	1.08
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	15	1.08
(1,441)	1:341:A:VAL:HG13	1:340:A:TYR:HB2	18	1.08
(1,389)	1:337:A:LEU:HD23	1:393:A:ALA:HB3	12	1.08
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	13	1.08
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD23	19	1.07
(1,3701)	1:371:A:GLY:H	1:411:A:LEU:HD12	2	1.07
(1,3573)	1:336:A:LEU:HD21	1:397:A:TYR:HE1	20	1.07
(1,3514)	1:418:A:THR:HG22	1:415:A:PHE:HD1	14	1.07
(1,3514)	1:418:A:THR:HG21	1:415:A:PHE:HD2	17	1.07
(1,3510)	1:418:A:THR:HA	1:419:A:PRO:HG2	19	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3425)	1:410:A:ARG:HG2	1:410:A:ARG:HA	10	1.07
(1,3395)	1:403:A:ILE:HD11	1:415:A:PHE:HB2	6	1.07
(1,3368)	1:349:A:ARG:HA	1:350:A:TYR:HE1	13	1.07
(1,3344)	1:394:A:LEU:HD12	1:387:A:TYR:HD1	9	1.07
(1,3344)	1:394:A:LEU:HD12	1:387:A:TYR:HD1	18	1.07
(1,3320)	1:391:A:SER:HA	1:337:A:LEU:HG	18	1.07
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	19	1.07
(1,3150)	1:356:A:TRP:HH2	1:359:A:LYS:HE3	9	1.07
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG21	2	1.07
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	20	1.07
(1,3082)	1:344:A:LEU:HD12	1:337:A:LEU:HA	16	1.07
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	18	1.07
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	3	1.07
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	4	1.07
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	16	1.07
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG22	5	1.07
(1,2201)	1:337:A:LEU:HD11	1:376:A:TRP:HH2	13	1.07
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	3	1.07
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	13	1.07
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	15	1.07
(1,1168)	1:377:A:GLY:HA3	1:382:A:ARG:HG2	3	1.07
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	16	1.07
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	17	1.07
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	19	1.07
(1,912)	1:363:A:ILE:HG22	1:414:A:ARG:HD2	3	1.07
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	20	1.07
(1,721)	1:345:A:LEU:HD11	1:356:A:TRP:HZ2	3	1.07
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD21	20	1.06
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG13	5	1.06
(1,3571)	1:336:A:LEU:HD21	1:376:A:TRP:HZ2	16	1.06
(1,3561)	1:430:A:LEU:HD22	1:427:A:THR:HB	4	1.06
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD22	19	1.06
(1,3513)	1:418:A:THR:HG21	1:417:A:LYS:H	13	1.06
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG21	5	1.06
(1,3451)	1:412:A:LEU:HD11	1:365:A:ARG:HD3	12	1.06
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	4	1.06
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	8	1.06
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	14	1.06
(1,3168)	1:359:A:LYS:HA	1:358:A:ASP:HB3	6	1.06
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	10	1.06
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD2	3	1.06
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG13	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	3	1.06
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	4	1.06
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	5	1.06
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	9	1.06
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	12	1.06
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	15	1.06
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG23	17	1.06
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	3	1.06
(1,2214)	1:341:A:VAL:HG13	1:403:A:ILE:HD12	1	1.06
(1,2201)	1:337:A:LEU:HD11	1:376:A:TRP:HH2	15	1.06
(1,2201)	1:337:A:LEU:HD13	1:376:A:TRP:HH2	16	1.06
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	17	1.06
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD13	1	1.06
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	1	1.06
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	12	1.06
(1,1859)	1:417:A:LYS:HD2	1:417:A:LYS:HB2	14	1.06
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	10	1.06
(1,1373)	1:392:A:ARG:HB2	1:391:A:SER:H	5	1.06
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	16	1.06
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	18	1.06
(1,721)	1:345:A:LEU:HD11	1:356:A:TRP:HZ2	8	1.06
(1,721)	1:345:A:LEU:HD11	1:356:A:TRP:HZ2	10	1.06
(1,721)	1:345:A:LEU:HD13	1:356:A:TRP:HZ2	18	1.06
(1,721)	1:345:A:LEU:HD12	1:356:A:TRP:HZ2	19	1.06
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD13	10	1.06
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD12	13	1.06
(1,441)	1:341:A:VAL:HG13	1:340:A:TYR:HB2	2	1.06
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB3	16	1.06
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	6	1.06
(1,3573)	1:336:A:LEU:HD22	1:397:A:TYR:HE1	8	1.05
(1,3573)	1:336:A:LEU:HD23	1:397:A:TYR:HE1	19	1.05
(1,3514)	1:418:A:THR:HG23	1:415:A:PHE:HD2	1	1.05
(1,3399)	1:403:A:ILE:HD12	1:413:A:PHE:HD2	11	1.05
(1,3395)	1:403:A:ILE:HD11	1:415:A:PHE:HB2	3	1.05
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD23	1	1.05
(1,3344)	1:394:A:LEU:HD13	1:387:A:TYR:HD1	2	1.05
(1,3344)	1:394:A:LEU:HD13	1:387:A:TYR:HD1	10	1.05
(1,3344)	1:394:A:LEU:HD11	1:387:A:TYR:HD1	17	1.05
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG22	4	1.05
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	17	1.05
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH11	2	1.05
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	11	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:359:A:LYS:HA	1:358:A:ASP:HB3	12	1.05
(1,3156)	1:356:A:TRP:HE3	1:364:A:PHE:HD1	20	1.05
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG23	3	1.05
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG21	7	1.05
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG21	11	1.05
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG22	17	1.05
(1,3119)	1:354:A:ILE:HG21	1:375:A:LEU:HD22	14	1.05
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	3	1.05
(1,3099)	1:350:A:TYR:HD1	1:349:A:ARG:HB3	6	1.05
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	8	1.05
(1,3082)	1:344:A:LEU:HD12	1:337:A:LEU:HA	2	1.05
(1,3082)	1:344:A:LEU:HD12	1:337:A:LEU:HA	6	1.05
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	1	1.05
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	7	1.05
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	8	1.05
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	19	1.05
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	20	1.05
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	10	1.05
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	14	1.05
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB1	7	1.05
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB1	15	1.05
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	5	1.05
(1,2214)	1:341:A:VAL:HG12	1:403:A:ILE:HD13	3	1.05
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD11	5	1.05
(1,2214)	1:341:A:VAL:HG13	1:403:A:ILE:HD11	6	1.05
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD11	11	1.05
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD12	13	1.05
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD11	14	1.05
(1,2214)	1:341:A:VAL:HG13	1:403:A:ILE:HD11	16	1.05
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	1	1.05
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	5	1.05
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	15	1.05
(1,1731)	1:411:A:LEU:HD22	1:387:A:TYR:HE1	19	1.05
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	19	1.05
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	14	1.05
(1,721)	1:345:A:LEU:HD12	1:356:A:TRP:HZ2	5	1.05
(1,721)	1:345:A:LEU:HD12	1:356:A:TRP:HZ2	6	1.05
(1,721)	1:345:A:LEU:HD13	1:356:A:TRP:HZ2	13	1.05
(1,721)	1:345:A:LEU:HD13	1:356:A:TRP:HZ2	20	1.05
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG2	9	1.05
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG2	19	1.05
(1,651)	1:354:A:ILE:HG22	1:345:A:LEU:HD21	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:346:A:SER:HB2	1:347:A:ASP:HB3	16	1.05
(1,441)	1:341:A:VAL:HG12	1:340:A:TYR:HB2	8	1.05
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB1	9	1.05
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	20	1.05
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	11	1.04
(1,3514)	1:418:A:THR:HG22	1:415:A:PHE:HD1	13	1.04
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	7	1.04
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD2	17	1.04
(1,3388)	1:402:A:ILE:HG22	1:419:A:PRO:HA	19	1.04
(1,3368)	1:349:A:ARG:HA	1:350:A:TYR:HE1	6	1.04
(1,3344)	1:394:A:LEU:HD12	1:387:A:TYR:HD1	1	1.04
(1,3344)	1:394:A:LEU:HD12	1:387:A:TYR:HD1	19	1.04
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	9	1.04
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE2	13	1.04
(1,3150)	1:356:A:TRP:HH2	1:359:A:LYS:HE2	1	1.04
(1,3150)	1:356:A:TRP:HH2	1:359:A:LYS:HE3	19	1.04
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG23	6	1.04
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG23	14	1.04
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	2	1.04
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	18	1.04
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	7	1.04
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	6	1.04
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	13	1.04
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	16	1.04
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	17	1.04
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG21	9	1.04
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	5	1.04
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	9	1.04
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	13	1.04
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	18	1.04
(1,2725)	1:414:A:ARG:H	1:413:A:PHE:HD2	7	1.04
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD13	17	1.04
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	2	1.04
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG22	9	1.04
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	11	1.04
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG21	13	1.04
(1,1209)	1:376:A:TRP:HZ3	1:380:A:LYS:HD2	20	1.04
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	11	1.04
(1,912)	1:363:A:ILE:HG21	1:414:A:ARG:HD2	6	1.04
(1,721)	1:345:A:LEU:HD12	1:356:A:TRP:HZ2	4	1.04
(1,721)	1:345:A:LEU:HD13	1:356:A:TRP:HZ2	16	1.04
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD22	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	2	1.03
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE2	17	1.03
(1,3483)	1:415:A:PHE:HD1	1:417:A:LYS:HB3	14	1.03
(1,3429)	1:357:A:GLU:HB3	1:358:A:ASP:HB3	13	1.03
(1,3399)	1:403:A:ILE:HD13	1:413:A:PHE:HD2	13	1.03
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD21	9	1.03
(1,3368)	1:349:A:ARG:HA	1:350:A:TYR:HE1	14	1.03
(1,3344)	1:394:A:LEU:HD11	1:387:A:TYR:HD1	13	1.03
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	2	1.03
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG23	8	1.03
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD21	17	1.03
(1,3116)	1:354:A:ILE:HG22	1:340:A:TYR:HE2	8	1.03
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD11	2	1.03
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD22	19	1.03
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	10	1.03
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	11	1.03
(1,3004)	1:396:A:HIS:HD2	1:397:A:TYR:HA	9	1.03
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	8	1.03
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB2	13	1.03
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	3	1.03
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD11	3	1.03
(1,2214)	1:341:A:VAL:HG13	1:403:A:ILE:HD11	4	1.03
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	4	1.03
(1,2201)	1:337:A:LEU:HD13	1:376:A:TRP:HH2	20	1.03
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	10	1.03
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	15	1.03
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	10	1.03
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	19	1.03
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	14	1.03
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	17	1.03
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	1	1.03
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	13	1.03
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG21	4	1.03
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	6	1.03
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	20	1.03
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD23	12	1.03
(1,389)	1:337:A:LEU:HD23	1:393:A:ALA:HB2	1	1.03
(1,389)	1:337:A:LEU:HD23	1:393:A:ALA:HB3	14	1.03
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	19	1.03
(1,3594)	1:393:A:ALA:HB2	1:376:A:TRP:HH2	13	1.02
(1,3573)	1:336:A:LEU:HD23	1:397:A:TYR:HE1	10	1.02
(1,3548)	1:418:A:THR:HG22	1:362:A:LYS:HA	5	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3395)	1:403:A:ILE:HD12	1:415:A:PHE:HB2	2	1.02
(1,3344)	1:394:A:LEU:HD13	1:387:A:TYR:HD1	20	1.02
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	2	1.02
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	19	1.02
(1,3156)	1:356:A:TRP:HE3	1:364:A:PHE:HD1	17	1.02
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG22	13	1.02
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG22	19	1.02
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	18	1.02
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	1	1.02
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	17	1.02
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	5	1.02
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	2	1.02
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	3	1.02
(1,3010)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	14	1.02
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	20	1.02
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD13	8	1.02
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	11	1.02
(1,2201)	1:337:A:LEU:HD11	1:376:A:TRP:HH2	18	1.02
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	8	1.02
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	5	1.02
(1,1373)	1:392:A:ARG:HB2	1:391:A:SER:H	11	1.02
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	2	1.02
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	12	1.02
(1,1209)	1:376:A:TRP:HZ3	1:380:A:LYS:HD2	11	1.02
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	20	1.02
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD21	11	1.02
(1,912)	1:363:A:ILE:HG23	1:414:A:ARG:HD2	2	1.02
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG2	7	1.02
(1,651)	1:354:A:ILE:HG22	1:345:A:LEU:HD23	11	1.02
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	18	1.02
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	17	1.01
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	20	1.01
(1,3573)	1:336:A:LEU:HD22	1:397:A:TYR:HE1	18	1.01
(1,3571)	1:336:A:LEU:HD21	1:376:A:TRP:HZ2	4	1.01
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD22	9	1.01
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD22	18	1.01
(1,3444)	1:411:A:LEU:HD22	1:412:A:LEU:HA	11	1.01
(1,3395)	1:403:A:ILE:HD13	1:415:A:PHE:HB2	8	1.01
(1,3395)	1:403:A:ILE:HD12	1:415:A:PHE:HB2	14	1.01
(1,3395)	1:403:A:ILE:HD11	1:415:A:PHE:HB2	19	1.01
(1,3388)	1:402:A:ILE:HG23	1:419:A:PRO:HA	8	1.01
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	19	1.01
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	19	1.01
(1,3082)	1:344:A:LEU:HD11	1:337:A:LEU:HA	18	1.01
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	20	1.01
(1,2835)	1:355:A:ARG:H	1:364:A:PHE:HD1	6	1.01
(1,2214)	1:341:A:VAL:HG12	1:403:A:ILE:HD11	2	1.01
(1,2201)	1:337:A:LEU:HD13	1:376:A:TRP:HH2	7	1.01
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	9	1.01
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	17	1.01
(1,2031)	1:429:A:ARG:HG2	1:430:A:LEU:H	16	1.01
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	4	1.01
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG22	7	1.01
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG22	19	1.01
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	16	1.01
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD21	1	1.01
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD23	6	1.01
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD22	18	1.01
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	13	1.01
(1,540)	1:364:A:PHE:HD1	1:345:A:LEU:HD13	3	1.01
(1,3651)	1:355:A:ARG:H	1:365:A:ARG:HD3	3	1.0
(1,3579)	1:410:A:ARG:HD2	1:410:A:ARG:HA	17	1.0
(1,3573)	1:336:A:LEU:HD21	1:397:A:TYR:HE1	6	1.0
(1,3571)	1:336:A:LEU:HD23	1:376:A:TRP:HZ2	11	1.0
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD23	6	1.0
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	11	1.0
(1,3395)	1:403:A:ILE:HD13	1:415:A:PHE:HB2	1	1.0
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	5	1.0
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	20	1.0
(1,3221)	1:410:A:ARG:HD3	1:409:A:GLN:HG2	9	1.0
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	10	1.0
(1,3150)	1:356:A:TRP:HH2	1:359:A:LYS:HE3	14	1.0
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG23	10	1.0
(1,3119)	1:354:A:ILE:HG22	1:375:A:LEU:HD21	2	1.0
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	12	1.0
(1,3099)	1:350:A:TYR:HD2	1:349:A:ARG:HB3	9	1.0
(1,3082)	1:344:A:LEU:HD13	1:337:A:LEU:HA	14	1.0
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	4	1.0
(1,2214)	1:341:A:VAL:HG12	1:403:A:ILE:HD12	18	1.0
(1,2084)	1:433:A:LEU:H	1:433:A:LEU:HD22	15	1.0
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD21	10	1.0
(1,1738)	1:411:A:LEU:HD21	1:369:A:PRO:HB2	2	1.0
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD21	2	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	10	1.0
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	6	1.0
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	17	1.0
(1,1292)	1:386:A:THR:HG21	1:384:A:ASN:HB3	14	1.0
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG23	13	1.0
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	13	1.0
(1,820)	1:360:A:GLU:H	1:360:A:GLU:HG2	13	1.0
(1,651)	1:354:A:ILE:HG22	1:345:A:LEU:HD22	15	1.0
(1,389)	1:337:A:LEU:HD21	1:393:A:ALA:HB3	3	1.0
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	1	1.0
(1,3651)	1:355:A:ARG:H	1:365:A:ARG:HD3	20	0.99
(1,3592)	1:417:A:LYS:HG3	1:422:A:ILE:HG13	14	0.99
(1,3568)	1:336:A:LEU:HD13	1:338:A:TRP:HB3	8	0.99
(1,3568)	1:336:A:LEU:HD13	1:338:A:TRP:HB3	15	0.99
(1,3568)	1:336:A:LEU:HD13	1:338:A:TRP:HB3	20	0.99
(1,3514)	1:418:A:THR:HG23	1:415:A:PHE:HD1	12	0.99
(1,3512)	1:427:A:THR:HG21	1:430:A:LEU:H	4	0.99
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	2	0.99
(1,3452)	1:412:A:LEU:HD22	1:409:A:GLN:HA	16	0.99
(1,3395)	1:403:A:ILE:HD12	1:415:A:PHE:HB2	11	0.99
(1,3395)	1:403:A:ILE:HD12	1:415:A:PHE:HB2	16	0.99
(1,3344)	1:394:A:LEU:HD13	1:387:A:TYR:HD1	3	0.99
(1,3187)	1:362:A:LYS:HB2	1:361:A:SER:H	11	0.99
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG22	15	0.99
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD21	6	0.99
(1,3119)	1:354:A:ILE:HG21	1:375:A:LEU:HD21	7	0.99
(1,3119)	1:354:A:ILE:HG21	1:375:A:LEU:HD21	11	0.99
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	2	0.99
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	9	0.99
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	18	0.99
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	10	0.99
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	15	0.99
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD11	1	0.99
(1,2255)	1:427:A:THR:HG22	1:430:A:LEU:HD12	14	0.99
(1,2255)	1:427:A:THR:HG23	1:430:A:LEU:HD13	19	0.99
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD12	12	0.99
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	6	0.99
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	13	0.99
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	1	0.99
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG21	3	0.99
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	5	0.99
(1,1731)	1:411:A:LEU:HD23	1:387:A:TYR:HE1	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG21	4	0.99
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	2	0.99
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	11	0.99
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	20	0.99
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD12	15	0.99
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD11	17	0.99
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD13	18	0.99
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD11	20	0.99
(1,3573)	1:336:A:LEU:HD22	1:397:A:TYR:HE1	15	0.98
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD23	7	0.98
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD21	13	0.98
(1,3549)	1:427:A:THR:HG23	1:426:A:ARG:HD3	15	0.98
(1,3513)	1:418:A:THR:HG23	1:417:A:LYS:H	20	0.98
(1,3512)	1:427:A:THR:HG21	1:430:A:LEU:H	18	0.98
(1,3477)	1:403:A:ILE:HB	1:415:A:PHE:HE1	14	0.98
(1,3452)	1:412:A:LEU:HD22	1:409:A:GLN:HA	7	0.98
(1,3452)	1:412:A:LEU:HD22	1:409:A:GLN:HA	14	0.98
(1,3444)	1:411:A:LEU:HD23	1:412:A:LEU:HA	17	0.98
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD2	1	0.98
(1,3399)	1:403:A:ILE:HD13	1:413:A:PHE:HD2	5	0.98
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD2	19	0.98
(1,3395)	1:403:A:ILE:HD12	1:415:A:PHE:HB2	13	0.98
(1,3372)	1:399:A:LYS:HD3	1:400:A:LEU:HD22	12	0.98
(1,3204)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	16	0.98
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	8	0.98
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD13	13	0.98
(1,3082)	1:344:A:LEU:HD12	1:337:A:LEU:HA	17	0.98
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	16	0.98
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB1	18	0.98
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	11	0.98
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	14	0.98
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD12	6	0.98
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD11	9	0.98
(1,2221)	1:344:A:LEU:HD21	1:354:A:ILE:HG21	11	0.98
(1,1731)	1:411:A:LEU:HD22	1:387:A:TYR:HE1	6	0.98
(1,1731)	1:411:A:LEU:HD23	1:387:A:TYR:HE1	17	0.98
(1,1373)	1:392:A:ARG:HB2	1:391:A:SER:H	12	0.98
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	3	0.98
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	9	0.98
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	1	0.98
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	4	0.98
(1,3597)	1:432:A:HIS:HD2	1:433:A:LEU:HG	17	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3568)	1:336:A:LEU:HD13	1:338:A:TRP:HB3	5	0.97
(1,3568)	1:336:A:LEU:HD13	1:338:A:TRP:HB3	14	0.97
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD23	1	0.97
(1,3545)	1:392:A:ARG:HB2	1:433:A:LEU:HD12	8	0.97
(1,3514)	1:418:A:THR:HG22	1:415:A:PHE:HD1	19	0.97
(1,3452)	1:412:A:LEU:HD21	1:409:A:GLN:HA	2	0.97
(1,3444)	1:411:A:LEU:HD23	1:412:A:LEU:HA	2	0.97
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD2	3	0.97
(1,3395)	1:403:A:ILE:HD11	1:415:A:PHE:HB2	17	0.97
(1,3388)	1:402:A:ILE:HG23	1:419:A:PRO:HA	3	0.97
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	19	0.97
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	18	0.97
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD23	14	0.97
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	14	0.97
(1,2924)	1:396:A:HIS:HD2	1:400:A:LEU:HB3	5	0.97
(1,2260)	1:336:A:LEU:HD12	1:427:A:THR:HG23	19	0.97
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD13	19	0.97
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD11	20	0.97
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	2	0.97
(1,2075)	1:436:A:GLN:HE22	1:433:A:LEU:HA	12	0.97
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD23	15	0.97
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG22	17	0.97
(1,1814)	1:415:A:PHE:HE1	1:342:A:TYR:HE2	17	0.97
(1,1731)	1:411:A:LEU:HD21	1:387:A:TYR:HE1	16	0.97
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	7	0.97
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	14	0.97
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG22	10	0.97
(1,912)	1:363:A:ILE:HG23	1:414:A:ARG:HD2	14	0.97
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG23	6	0.97
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	18	0.97
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	5	0.97
(1,651)	1:354:A:ILE:HG22	1:345:A:LEU:HD23	7	0.97
(1,467)	1:343:A:GLN:HG2	1:344:A:LEU:HD12	17	0.97
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB1	6	0.97
(1,389)	1:337:A:LEU:HD23	1:393:A:ALA:HB2	15	0.97
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	3	0.97
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	6	0.97
(1,69)	1:375:A:LEU:HD13	1:344:A:LEU:HD21	19	0.97
(1,3755)	1:402:A:ILE:H	1:400:A:LEU:HD21	7	0.96
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG11	15	0.96
(1,3555)	1:430:A:LEU:HD13	1:338:A:TRP:HB3	7	0.96
(1,3512)	1:427:A:THR:HG23	1:430:A:LEU:H	3	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3512)	1:427:A:THR:HG22	1:430:A:LEU:H	20	0.96
(1,3493)	1:416:A:MET:HG2	1:402:A:ILE:HG21	16	0.96
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	5	0.96
(1,3444)	1:411:A:LEU:HD21	1:412:A:LEU:HA	19	0.96
(1,3429)	1:382:A:ARG:HB2	1:380:A:LYS:HE2	5	0.96
(1,3399)	1:403:A:ILE:HD12	1:413:A:PHE:HD2	2	0.96
(1,3395)	1:403:A:ILE:HD12	1:415:A:PHE:HB2	5	0.96
(1,3395)	1:403:A:ILE:HD13	1:415:A:PHE:HB2	12	0.96
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	13	0.96
(1,3293)	1:382:A:ARG:HG2	1:378:A:ASN:H	13	0.96
(1,3256)	1:372:A:LEU:HB3	1:372:A:LEU:HD22	1	0.96
(1,3256)	1:372:A:LEU:HB3	1:372:A:LEU:HD22	8	0.96
(1,3256)	1:372:A:LEU:HB3	1:372:A:LEU:HD22	14	0.96
(1,3256)	1:372:A:LEU:HB3	1:372:A:LEU:HD22	16	0.96
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	16	0.96
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD21	13	0.96
(1,3116)	1:354:A:ILE:HG21	1:340:A:TYR:HE2	20	0.96
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	3	0.96
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG23	7	0.96
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG21	17	0.96
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG23	18	0.96
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	12	0.96
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	8	0.96
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	9	0.96
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	17	0.96
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD11	17	0.96
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD12	9	0.96
(1,2167)	1:353:A:PHE:HD2	1:368:A:ASP:HB3	6	0.96
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD11	2	0.96
(1,2051)	1:338:A:TRP:HE1	1:430:A:LEU:HD11	12	0.96
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	4	0.96
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG21	14	0.96
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG21	16	0.96
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG21	18	0.96
(1,1731)	1:411:A:LEU:HD22	1:387:A:TYR:HE1	1	0.96
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	19	0.96
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	13	0.96
(1,1346)	1:390:A:MET:HG2	1:387:A:TYR:HE2	15	0.96
(1,1272)	1:383:A:THR:HG23	1:384:A:ASN:HB2	15	0.96
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	9	0.96
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	12	0.96
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	19	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD22	4	0.96
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD22	16	0.96
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD11	6	0.96
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD13	9	0.96
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	16	0.95
(1,3571)	1:336:A:LEU:HD23	1:376:A:TRP:HZ2	7	0.95
(1,3568)	1:336:A:LEU:HD12	1:338:A:TRP:HB3	12	0.95
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD22	3	0.95
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD3	5	0.95
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	19	0.95
(1,3452)	1:412:A:LEU:HD23	1:409:A:GLN:HA	11	0.95
(1,3444)	1:411:A:LEU:HD21	1:412:A:LEU:HA	5	0.95
(1,3444)	1:411:A:LEU:HD22	1:412:A:LEU:HA	9	0.95
(1,3444)	1:411:A:LEU:HD22	1:412:A:LEU:HA	12	0.95
(1,3444)	1:411:A:LEU:HD23	1:412:A:LEU:HA	20	0.95
(1,3256)	1:372:A:LEU:HB3	1:372:A:LEU:HD22	10	0.95
(1,3187)	1:362:A:LYS:HB2	1:361:A:SER:H	1	0.95
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	5	0.95
(1,3128)	1:354:A:ILE:HG13	1:341:A:VAL:HG22	16	0.95
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD22	4	0.95
(1,3119)	1:354:A:ILE:HG22	1:375:A:LEU:HD21	5	0.95
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD12	16	0.95
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD21	1	0.95
(1,3082)	1:344:A:LEU:HD12	1:337:A:LEU:HA	9	0.95
(1,3082)	1:344:A:LEU:HD12	1:337:A:LEU:HA	11	0.95
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG21	20	0.95
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB2	3	0.95
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB2	12	0.95
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	2	0.95
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	8	0.95
(1,2255)	1:427:A:THR:HG22	1:430:A:LEU:HD12	8	0.95
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD13	7	0.95
(1,2214)	1:341:A:VAL:HG11	1:403:A:ILE:HD13	15	0.95
(1,2159)	1:336:A:LEU:HD23	1:339:A:ASP:HB2	16	0.95
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD12	8	0.95
(1,1738)	1:411:A:LEU:HD22	1:369:A:PRO:HB2	4	0.95
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	12	0.95
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	13	0.95
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	15	0.95
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	18	0.95
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	6	0.95
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	12	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:354:A:ILE:HG23	1:345:A:LEU:HD21	2	0.95
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD23	19	0.95
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD23	20	0.95
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD11	19	0.95
(1,318)	1:398:A:TYR:HE1	1:395:A:ARG:HA	20	0.95
(1,69)	1:375:A:LEU:HD13	1:344:A:LEU:HD21	4	0.95
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	19	0.94
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	4	0.94
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	14	0.94
(1,3573)	1:336:A:LEU:HD22	1:397:A:TYR:HE1	5	0.94
(1,3571)	1:336:A:LEU:HD21	1:376:A:TRP:HZ2	9	0.94
(1,3571)	1:336:A:LEU:HD22	1:376:A:TRP:HZ2	15	0.94
(1,3568)	1:336:A:LEU:HD11	1:338:A:TRP:HB3	2	0.94
(1,3549)	1:427:A:THR:HG21	1:426:A:ARG:HD3	10	0.94
(1,3513)	1:418:A:THR:HG23	1:421:A:GLU:H	16	0.94
(1,3512)	1:427:A:THR:HG23	1:430:A:LEU:H	6	0.94
(1,3512)	1:427:A:THR:HG22	1:430:A:LEU:H	7	0.94
(1,3504)	1:362:A:LYS:HE2	1:361:A:SER:H	15	0.94
(1,3444)	1:411:A:LEU:HD23	1:412:A:LEU:HA	4	0.94
(1,3444)	1:411:A:LEU:HD21	1:412:A:LEU:HA	6	0.94
(1,3444)	1:411:A:LEU:HD23	1:412:A:LEU:HA	15	0.94
(1,3444)	1:411:A:LEU:HD22	1:412:A:LEU:HA	18	0.94
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD1	7	0.94
(1,3399)	1:403:A:ILE:HD12	1:413:A:PHE:HD2	14	0.94
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	17	0.94
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	10	0.94
(1,3256)	1:372:A:LEU:HB3	1:372:A:LEU:HD21	15	0.94
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG23	18	0.94
(1,3252)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	5	0.94
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HB	18	0.94
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HB	19	0.94
(1,3101)	1:350:A:TYR:HE1	1:349:A:ARG:HB3	15	0.94
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	16	0.94
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD23	15	0.94
(1,2924)	1:396:A:HIS:HD2	1:400:A:LEU:HB3	2	0.94
(1,2902)	1:430:A:LEU:HD13	1:430:A:LEU:H	12	0.94
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	15	0.94
(1,2260)	1:336:A:LEU:HD13	1:427:A:THR:HG23	14	0.94
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD11	7	0.94
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD12	4	0.94
(1,2012)	1:427:A:THR:HA	1:430:A:LEU:HD12	12	0.94
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG21	14	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG21	20	0.94
(1,1731)	1:411:A:LEU:HD23	1:387:A:TYR:HE1	14	0.94
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	3	0.94
(1,1307)	1:388:A:GLU:HG2	1:389:A:LYS:H	8	0.94
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG23	4	0.94
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG22	15	0.94
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	13	0.94
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG22	19	0.94
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	17	0.94
(1,651)	1:354:A:ILE:HG23	1:345:A:LEU:HD23	5	0.94
(1,651)	1:354:A:ILE:HG22	1:345:A:LEU:HD21	8	0.94
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD22	13	0.94
(1,651)	1:354:A:ILE:HG21	1:345:A:LEU:HD22	17	0.94
(1,553)	1:346:A:SER:HB2	1:347:A:ASP:HB3	10	0.94
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD11	4	0.94
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	13	0.94
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	17	0.94
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD22	14	0.94
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	17	0.93
(1,3513)	1:418:A:THR:HG22	1:417:A:LYS:H	12	0.93
(1,3512)	1:427:A:THR:HG23	1:430:A:LEU:H	8	0.93
(1,3512)	1:427:A:THR:HG23	1:430:A:LEU:H	12	0.93
(1,3452)	1:412:A:LEU:HD21	1:409:A:GLN:HA	18	0.93
(1,3444)	1:411:A:LEU:HD21	1:412:A:LEU:HA	1	0.93
(1,3444)	1:411:A:LEU:HD23	1:412:A:LEU:HA	8	0.93
(1,3395)	1:403:A:ILE:HD13	1:415:A:PHE:HB2	18	0.93
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	1	0.93
(1,3256)	1:372:A:LEU:HB3	1:372:A:LEU:HD22	7	0.93
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG21	19	0.93
(1,3116)	1:354:A:ILE:HG21	1:340:A:TYR:HE2	17	0.93
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	17	0.93
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD21	8	0.93
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD21	9	0.93
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD21	10	0.93
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG21	19	0.93
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	10	0.93
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	3	0.93
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	4	0.93
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB1	1	0.93
(1,2924)	1:396:A:HIS:HD2	1:400:A:LEU:HB3	16	0.93
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD13	5	0.93
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD13	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:427:A:THR:HG23	1:430:A:LEU:HD12	4	0.93
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD12	11	0.93
(1,2255)	1:427:A:THR:HG22	1:430:A:LEU:HD12	13	0.93
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD23	18	0.93
(1,2214)	1:341:A:VAL:HG12	1:403:A:ILE:HD13	10	0.93
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	5	0.93
(1,2159)	1:336:A:LEU:HD22	1:339:A:ASP:HB2	11	0.93
(1,2155)	1:336:A:LEU:HD12	1:431:A:GLU:HB3	10	0.93
(1,2155)	1:336:A:LEU:HD11	1:431:A:GLU:HB3	15	0.93
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD23	6	0.93
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	12	0.93
(1,1820)	1:415:A:PHE:H	1:415:A:PHE:HD2	11	0.93
(1,1738)	1:411:A:LEU:HD22	1:369:A:PRO:HB2	8	0.93
(1,1731)	1:411:A:LEU:HD22	1:387:A:TYR:HE1	13	0.93
(1,1272)	1:383:A:THR:HG21	1:384:A:ASN:HB2	10	0.93
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	7	0.93
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG21	11	0.93
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD22	7	0.93
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD23	8	0.93
(1,3573)	1:336:A:LEU:HD22	1:397:A:TYR:HE1	3	0.92
(1,3573)	1:336:A:LEU:HD21	1:397:A:TYR:HE1	13	0.92
(1,3545)	1:400:A:LEU:HD12	1:426:A:ARG:HB2	7	0.92
(1,3444)	1:411:A:LEU:HD23	1:412:A:LEU:HA	3	0.92
(1,3444)	1:411:A:LEU:HD23	1:412:A:LEU:HA	14	0.92
(1,3444)	1:411:A:LEU:HD21	1:412:A:LEU:HA	16	0.92
(1,3395)	1:403:A:ILE:HD11	1:415:A:PHE:HB2	4	0.92
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	16	0.92
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG23	17	0.92
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	16	0.92
(1,3116)	1:354:A:ILE:HG22	1:340:A:TYR:HE2	15	0.92
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD23	2	0.92
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD22	6	0.92
(1,3002)	1:397:A:TYR:HE1	1:402:A:ILE:HG21	15	0.92
(1,2255)	1:427:A:THR:HG23	1:430:A:LEU:HD12	18	0.92
(1,2255)	1:427:A:THR:HG21	1:430:A:LEU:HD11	20	0.92
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	8	0.92
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD12	9	0.92
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG23	2	0.92
(1,1829)	1:416:A:MET:HB2	1:403:A:ILE:HG22	6	0.92
(1,1731)	1:411:A:LEU:HD22	1:387:A:TYR:HE1	7	0.92
(1,1731)	1:411:A:LEU:HD23	1:387:A:TYR:HE1	11	0.92
(1,1307)	1:388:A:GLU:HG2	1:389:A:LYS:H	20	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:380:A:LYS:HE2	1:380:A:LYS:HB2	13	0.92
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	13	0.92
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG22	1	0.92
(1,651)	1:354:A:ILE:HG22	1:345:A:LEU:HD21	14	0.92
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD13	5	0.92
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD11	11	0.92
(1,69)	1:375:A:LEU:HD12	1:344:A:LEU:HD23	10	0.92
(1,69)	1:375:A:LEU:HD13	1:344:A:LEU:HD22	15	0.92
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD23	18	0.92
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD11	9	0.91
(1,3715)	1:401:A:ASN:HD21	1:399:A:LYS:HB3	15	0.91
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG11	17	0.91
(1,3651)	1:355:A:ARG:H	1:365:A:ARG:HD3	18	0.91
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	9	0.91
(1,3548)	1:418:A:THR:HG22	1:362:A:LYS:HA	19	0.91
(1,3513)	1:418:A:THR:HG21	1:417:A:LYS:H	14	0.91
(1,3512)	1:427:A:THR:HG22	1:430:A:LEU:H	1	0.91
(1,3399)	1:403:A:ILE:HD13	1:413:A:PHE:HD2	9	0.91
(1,3395)	1:403:A:ILE:HD12	1:415:A:PHE:HB2	20	0.91
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	14	0.91
(1,3380)	1:379:A:HIS:HE1	1:335:A:ARG:HG2	4	0.91
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG22	5	0.91
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG23	12	0.91
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH11	1	0.91
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD13	20	0.91
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD22	4	0.91
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD23	7	0.91
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD22	16	0.91
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG23	5	0.91
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG21	9	0.91
(1,3022)	1:413:A:PHE:HZ	1:405:A:LYS:HG3	4	0.91
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	12	0.91
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	13	0.91
(1,3002)	1:397:A:TYR:HE1	1:402:A:ILE:HG23	12	0.91
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	17	0.91
(1,2924)	1:396:A:HIS:HD2	1:400:A:LEU:HB3	17	0.91
(1,2838)	1:404:A:ARG:H	1:413:A:PHE:HB2	10	0.91
(1,2260)	1:336:A:LEU:HD11	1:427:A:THR:HG21	7	0.91
(1,2042)	1:430:A:LEU:HB3	1:430:A:LEU:HD12	12	0.91
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	2	0.91
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG23	8	0.91
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG21	13	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:411:A:LEU:HD23	1:387:A:TYR:HE1	10	0.91
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	1	0.91
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	17	0.91
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	16	0.91
(1,1407)	1:413:A:PHE:HE2	1:394:A:LEU:HD13	7	0.91
(1,1373)	1:392:A:ARG:HB2	1:391:A:SER:H	20	0.91
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	7	0.91
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG21	14	0.91
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG22	1	0.91
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	2	0.91
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD12	12	0.91
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD11	14	0.91
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	6	0.91
(1,69)	1:375:A:LEU:HD12	1:344:A:LEU:HD21	16	0.91
(1,69)	1:375:A:LEU:HD13	1:344:A:LEU:HD22	20	0.91
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	15	0.9
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	14	0.9
(1,3597)	1:432:A:HIS:HD2	1:430:A:LEU:HB3	1	0.9
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	19	0.9
(1,3591)	1:394:A:LEU:HD22	1:413:A:PHE:HE1	8	0.9
(1,3512)	1:427:A:THR:HG21	1:430:A:LEU:H	19	0.9
(1,3504)	1:409:A:GLN:HE21	1:405:A:LYS:HE2	14	0.9
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	8	0.9
(1,3452)	1:412:A:LEU:HD22	1:409:A:GLN:HA	6	0.9
(1,3444)	1:411:A:LEU:HD21	1:412:A:LEU:HA	7	0.9
(1,3399)	1:403:A:ILE:HD13	1:413:A:PHE:HD2	20	0.9
(1,3380)	1:379:A:HIS:HE1	1:335:A:ARG:HG3	14	0.9
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	13	0.9
(1,3344)	1:394:A:LEU:HD13	1:387:A:TYR:HD1	6	0.9
(1,3344)	1:394:A:LEU:HD12	1:387:A:TYR:HD1	14	0.9
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG22	13	0.9
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	1	0.9
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	13	0.9
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE2	1	0.9
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	4	0.9
(1,3119)	1:354:A:ILE:HG21	1:375:A:LEU:HD22	3	0.9
(1,3119)	1:354:A:ILE:HG21	1:375:A:LEU:HD22	9	0.9
(1,3082)	1:344:A:LEU:HD12	1:337:A:LEU:HA	13	0.9
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG22	3	0.9
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG22	14	0.9
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG21	18	0.9
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB3	6	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG22	19	0.9
(1,2815)	1:436:A:GLN:HE22	1:435:A:SER:HB3	19	0.9
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD12	13	0.9
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD12	14	0.9
(1,2155)	1:336:A:LEU:HD11	1:431:A:GLU:HB3	5	0.9
(1,2075)	1:436:A:GLN:HE22	1:433:A:LEU:HA	18	0.9
(1,1820)	1:415:A:PHE:H	1:415:A:PHE:HD2	17	0.9
(1,1731)	1:411:A:LEU:HD21	1:387:A:TYR:HE1	3	0.9
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	2	0.9
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	14	0.9
(1,1373)	1:392:A:ARG:HB2	1:391:A:SER:H	4	0.9
(1,1373)	1:392:A:ARG:HB2	1:391:A:SER:H	16	0.9
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	2	0.9
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	10	0.9
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	13	0.9
(1,1209)	1:376:A:TRP:HZ3	1:380:A:LYS:HD2	18	0.9
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	9	0.9
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD11	17	0.9
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD13	1	0.9
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	11	0.9
(1,3573)	1:336:A:LEU:HD21	1:397:A:TYR:HE1	16	0.89
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD23	16	0.89
(1,3548)	1:418:A:THR:HG22	1:362:A:LYS:HA	10	0.89
(1,3545)	1:400:A:LEU:HD12	1:426:A:ARG:HB2	5	0.89
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	16	0.89
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE2	2	0.89
(1,3503)	1:417:A:LYS:HE3	1:418:A:THR:H	10	0.89
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	9	0.89
(1,3452)	1:412:A:LEU:HD21	1:409:A:GLN:HA	13	0.89
(1,3399)	1:403:A:ILE:HD12	1:413:A:PHE:HD2	16	0.89
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	13	0.89
(1,3344)	1:394:A:LEU:HD13	1:387:A:TYR:HD1	12	0.89
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG21	4	0.89
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG21	9	0.89
(1,3187)	1:362:A:LYS:HB2	1:361:A:SER:H	20	0.89
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	4	0.89
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HB	6	0.89
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	3	0.89
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD23	1	0.89
(1,3119)	1:354:A:ILE:HG23	1:375:A:LEU:HD22	12	0.89
(1,3116)	1:354:A:ILE:HG22	1:340:A:TYR:HE2	7	0.89
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG23	1	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG23	2	0.89
(1,2260)	1:336:A:LEU:HD12	1:427:A:THR:HG22	17	0.89
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG21	10	0.89
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG22	16	0.89
(1,2234)	1:372:A:LEU:HD13	1:366:A:ILE:HD11	3	0.89
(1,2201)	1:337:A:LEU:HD12	1:376:A:TRP:HH2	19	0.89
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD13	3	0.89
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	8	0.89
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	20	0.89
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	9	0.89
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	6	0.89
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG21	2	0.89
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	3	0.89
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	6	0.89
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	14	0.89
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	19	0.89
(1,389)	1:337:A:LEU:HD21	1:393:A:ALA:HB3	5	0.89
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB1	19	0.89
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD11	2	0.89
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD12	7	0.89
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD11	8	0.89
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	1	0.89
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	4	0.89
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	5	0.89
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	7	0.89
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	8	0.89
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	12	0.89
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	15	0.89
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	18	0.89
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	20	0.89
(1,232)	1:342:A:TYR:HE2	1:415:A:PHE:HD1	11	0.89
(1,69)	1:375:A:LEU:HD12	1:344:A:LEU:HD22	13	0.89
(1,69)	1:375:A:LEU:HD12	1:344:A:LEU:HD23	17	0.89
(1,3597)	1:432:A:HIS:HD2	1:433:A:LEU:HG	13	0.88
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	6	0.88
(1,3573)	1:336:A:LEU:HD22	1:397:A:TYR:HE1	12	0.88
(1,3512)	1:427:A:THR:HG23	1:430:A:LEU:H	13	0.88
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	2	0.88
(1,3452)	1:412:A:LEU:HD22	1:409:A:GLN:HA	20	0.88
(1,3444)	1:411:A:LEU:HD22	1:412:A:LEU:HA	10	0.88
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	1	0.88
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE2	1	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3344)	1:394:A:LEU:HD12	1:387:A:TYR:HD1	7	0.88
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG21	20	0.88
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	9	0.88
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	5	0.88
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD13	16	0.88
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	11	0.88
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD23	3	0.88
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD23	13	0.88
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG22	4	0.88
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG21	13	0.88
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	2	0.88
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	12	0.88
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	7	0.88
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	11	0.88
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	11	0.88
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	17	0.88
(1,2260)	1:336:A:LEU:HD11	1:427:A:THR:HG23	4	0.88
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD11	2	0.88
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD13	10	0.88
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD11	4	0.88
(1,2065)	1:431:A:GLU:HG2	1:428:A:ASP:HA	19	0.88
(1,1820)	1:415:A:PHE:H	1:415:A:PHE:HD2	1	0.88
(1,1820)	1:415:A:PHE:H	1:415:A:PHE:HD2	20	0.88
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	10	0.88
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	13	0.88
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	13	0.88
(1,1373)	1:392:A:ARG:HB2	1:391:A:SER:H	9	0.88
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	12	0.88
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	14	0.88
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	17	0.88
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	19	0.88
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	5	0.88
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	19	0.88
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG22	2	0.88
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG23	12	0.88
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG22	2	0.88
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	11	0.88
(1,798)	1:356:A:TRP:HE1	1:359:A:LYS:HD2	15	0.88
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	1	0.88
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	10	0.88
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	20	0.88
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	2	0.88
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	3	0.88
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	6	0.88
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	9	0.88
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	13	0.88
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	14	0.88
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	16	0.88
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	17	0.88
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	19	0.88
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD23	9	0.88
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD21	12	0.88
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD11	2	0.87
(1,3701)	1:371:A:GLY:H	1:367:A:VAL:HG12	20	0.87
(1,3597)	1:432:A:HIS:HD2	1:430:A:LEU:HB3	9	0.87
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	18	0.87
(1,3568)	1:336:A:LEU:HD11	1:338:A:TRP:HB3	10	0.87
(1,3568)	1:336:A:LEU:HD11	1:338:A:TRP:HB3	18	0.87
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	7	0.87
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	15	0.87
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	19	0.87
(1,3381)	1:400:A:LEU:HD13	1:397:A:TYR:HB3	2	0.87
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	2	0.87
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG21	3	0.87
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG21	6	0.87
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	20	0.87
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	17	0.87
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH21	12	0.87
(1,3101)	1:350:A:TYR:HE1	1:349:A:ARG:HB3	13	0.87
(1,3082)	1:344:A:LEU:HD13	1:337:A:LEU:HA	5	0.87
(1,3066)	1:338:A:TRP:HA	1:341:A:VAL:HB	11	0.87
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	1	0.87
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	18	0.87
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	7	0.87
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	20	0.87
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB1	10	0.87
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	3	0.87
(1,2711)	1:410:A:ARG:H	1:410:A:ARG:HG2	19	0.87
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	6	0.87
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD13	14	0.87
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD11	12	0.87
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD11	16	0.87
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD12	19	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	8	0.87
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD23	2	0.87
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	5	0.87
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	17	0.87
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG23	2	0.87
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	7	0.87
(1,1731)	1:411:A:LEU:HD21	1:387:A:TYR:HE1	4	0.87
(1,1731)	1:411:A:LEU:HD21	1:387:A:TYR:HE1	15	0.87
(1,1731)	1:411:A:LEU:HD23	1:387:A:TYR:HE1	18	0.87
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	3	0.87
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	10	0.87
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	13	0.87
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	16	0.87
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	18	0.87
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	4	0.87
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD22	16	0.87
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	15	0.87
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	16	0.87
(1,1292)	1:386:A:THR:HG22	1:384:A:ASN:HB3	16	0.87
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	10	0.87
(1,970)	1:366:A:ILE:HG22	1:369:A:PRO:HB2	18	0.87
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG22	13	0.87
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG21	17	0.87
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	9	0.87
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	18	0.87
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	20	0.87
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB2	7	0.87
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	12	0.87
(1,280)	1:387:A:TYR:HD1	1:387:A:TYR:HB3	10	0.87
(1,69)	1:375:A:LEU:HD12	1:344:A:LEU:HD21	5	0.87
(1,69)	1:375:A:LEU:HD12	1:344:A:LEU:HD21	6	0.87
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD13	8	0.86
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	3	0.86
(1,3593)	1:400:A:LEU:HD23	1:426:A:ARG:HD3	11	0.86
(1,3555)	1:430:A:LEU:HD13	1:338:A:TRP:HB3	17	0.86
(1,3549)	1:427:A:THR:HG23	1:426:A:ARG:HD3	5	0.86
(1,3512)	1:427:A:THR:HG22	1:430:A:LEU:H	9	0.86
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	8	0.86
(1,3503)	1:362:A:LYS:HE2	1:418:A:THR:H	5	0.86
(1,3452)	1:412:A:LEU:HD21	1:409:A:GLN:HA	19	0.86
(1,3422)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	4	0.86
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	17	0.86
(1,3335)	1:392:A:ARG:HB3	1:392:A:ARG:HD2	13	0.86
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	13	0.86
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG22	11	0.86
(1,3196)	1:363:A:ILE:HA	1:362:A:LYS:HB2	10	0.86
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	15	0.86
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	7	0.86
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD22	12	0.86
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG22	8	0.86
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	3	0.86
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	11	0.86
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	19	0.86
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	5	0.86
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD11	16	0.86
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD13	5	0.86
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD13	8	0.86
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD23	10	0.86
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD21	18	0.86
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	1	0.86
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	18	0.86
(1,1738)	1:411:A:LEU:HD23	1:369:A:PRO:HB2	5	0.86
(1,1731)	1:411:A:LEU:HD23	1:387:A:TYR:HE1	9	0.86
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	1	0.86
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	15	0.86
(1,1413)	1:394:A:LEU:HD21	1:337:A:LEU:HD23	5	0.86
(1,1413)	1:394:A:LEU:HD22	1:337:A:LEU:HD22	11	0.86
(1,1413)	1:394:A:LEU:HD21	1:337:A:LEU:HD23	12	0.86
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	6	0.86
(1,1307)	1:388:A:GLU:HG2	1:389:A:LYS:H	12	0.86
(1,1292)	1:386:A:THR:HG23	1:384:A:ASN:HB3	1	0.86
(1,1209)	1:376:A:TRP:HZ3	1:380:A:LYS:HD2	9	0.86
(1,913)	1:358:A:ASP:HB3	1:363:A:ILE:HG22	9	0.86
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG23	20	0.86
(1,899)	1:363:A:ILE:HD12	1:414:A:ARG:HA	15	0.86
(1,848)	1:362:A:LYS:HB3	1:415:A:PHE:HD2	17	0.86
(1,820)	1:360:A:GLU:H	1:360:A:GLU:HG2	10	0.86
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	4	0.86
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	5	0.86
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	7	0.86
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	11	0.86
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	17	0.86
(1,389)	1:337:A:LEU:HD23	1:393:A:ALA:HB2	18	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	11	0.86
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	6	0.85
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	8	0.85
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	4	0.85
(1,3434)	1:355:A:ARG:HD2	1:357:A:GLU:HG2	4	0.85
(1,3429)	1:382:A:ARG:HB2	1:380:A:LYS:HE2	8	0.85
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	12	0.85
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	13	0.85
(1,3399)	1:403:A:ILE:HD12	1:413:A:PHE:HD2	6	0.85
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	2	0.85
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	6	0.85
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	8	0.85
(1,3256)	1:372:A:LEU:HB3	1:366:A:ILE:HG23	2	0.85
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	3	0.85
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	1	0.85
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	13	0.85
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	4	0.85
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	18	0.85
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD21	18	0.85
(1,3038)	1:337:A:LEU:HD12	1:397:A:TYR:HB2	12	0.85
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	6	0.85
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	17	0.85
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	20	0.85
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	10	0.85
(1,2924)	1:396:A:HIS:HD2	1:400:A:LEU:HB3	9	0.85
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	14	0.85
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	1	0.85
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	19	0.85
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	12	0.85
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD13	9	0.85
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD13	11	0.85
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD13	19	0.85
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD12	16	0.85
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG22	1	0.85
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG22	10	0.85
(1,1878)	1:418:A:THR:HG22	1:415:A:PHE:HB2	5	0.85
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	6	0.85
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	11	0.85
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	13	0.85
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	14	0.85
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	16	0.85
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	19	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	1	0.85
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	6	0.85
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	11	0.85
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	15	0.85
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	17	0.85
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	18	0.85
(1,1560)	1:403:A:ILE:HG23	1:397:A:TYR:HB3	16	0.85
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	5	0.85
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	17	0.85
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	19	0.85
(1,1413)	1:394:A:LEU:HD22	1:337:A:LEU:HD21	3	0.85
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	3	0.85
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	4	0.85
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	11	0.85
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	20	0.85
(1,1292)	1:386:A:THR:HG22	1:384:A:ASN:HB3	4	0.85
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	14	0.85
(1,1163)	1:371:A:GLY:HA3	1:370:A:ASN:HD21	2	0.85
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	7	0.85
(1,820)	1:360:A:GLU:H	1:360:A:GLU:HG2	15	0.85
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	8	0.85
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	13	0.85
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	16	0.85
(1,691)	1:355:A:ARG:HD2	1:356:A:TRP:H	17	0.85
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG2	4	0.85
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	16	0.85
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	18	0.85
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	20	0.85
(1,69)	1:375:A:LEU:HD13	1:344:A:LEU:HD22	2	0.85
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	18	0.84
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	15	0.84
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	8	0.84
(1,3515)	1:427:A:THR:HG22	1:338:A:TRP:HZ3	5	0.84
(1,3515)	1:427:A:THR:HG23	1:338:A:TRP:HZ3	10	0.84
(1,3513)	1:418:A:THR:HG21	1:417:A:LYS:H	19	0.84
(1,3504)	1:362:A:LYS:HE3	1:415:A:PHE:HD2	6	0.84
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD3	7	0.84
(1,3452)	1:412:A:LEU:HD23	1:409:A:GLN:HA	3	0.84
(1,3444)	1:411:A:LEU:HD21	1:412:A:LEU:HA	13	0.84
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	10	0.84
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	12	0.84
(1,3221)	1:410:A:ARG:HD3	1:409:A:GLN:HG2	11	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	9	0.84
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD13	4	0.84
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	6	0.84
(1,3115)	1:354:A:ILE:HG22	1:344:A:LEU:H	15	0.84
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	8	0.84
(1,3066)	1:338:A:TRP:HA	1:341:A:VAL:HB	9	0.84
(1,3050)	1:338:A:TRP:HD1	1:336:A:LEU:HB2	6	0.84
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	16	0.84
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	5	0.84
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	2	0.84
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	4	0.84
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG23	15	0.84
(1,2892)	1:430:A:LEU:HD11	1:431:A:GLU:H	3	0.84
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	15	0.84
(1,2260)	1:336:A:LEU:HD13	1:427:A:THR:HG21	1	0.84
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG23	1	0.84
(1,2234)	1:372:A:LEU:HD12	1:366:A:ILE:HD11	1	0.84
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD12	1	0.84
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD11	6	0.84
(1,2087)	1:433:A:LEU:HD21	1:434:A:GLU:HG2	12	0.84
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD23	4	0.84
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD22	16	0.84
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	10	0.84
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG23	12	0.84
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG22	16	0.84
(1,1843)	1:417:A:LYS:HB2	1:421:A:GLU:HB2	14	0.84
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	2	0.84
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	3	0.84
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	4	0.84
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	10	0.84
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	12	0.84
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	15	0.84
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	17	0.84
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	20	0.84
(1,1738)	1:411:A:LEU:HD21	1:369:A:PRO:HB2	9	0.84
(1,1731)	1:411:A:LEU:HD21	1:387:A:TYR:HE1	20	0.84
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	7	0.84
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	12	0.84
(1,1624)	1:405:A:LYS:HE2	1:413:A:PHE:HE2	8	0.84
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	2	0.84
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	6	0.84
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD23	8	0.84
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	1	0.84
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	9	0.84
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	6	0.84
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	3	0.84
(1,994)	1:367:A:VAL:HG12	1:368:A:ASP:HB3	2	0.84
(1,970)	1:366:A:ILE:HG21	1:369:A:PRO:HB2	5	0.84
(1,970)	1:366:A:ILE:HG22	1:369:A:PRO:HB2	12	0.84
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	16	0.84
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	14	0.84
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB3	13	0.84
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD12	3	0.84
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	1	0.84
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	13	0.84
(1,232)	1:342:A:TYR:HE2	1:415:A:PHE:HD1	20	0.84
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD13	2	0.84
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	1	0.83
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	5	0.83
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	7	0.83
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	10	0.83
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	4	0.83
(1,3548)	1:418:A:THR:HG23	1:362:A:LYS:HA	7	0.83
(1,3512)	1:427:A:THR:HG23	1:430:A:LEU:H	2	0.83
(1,3512)	1:427:A:THR:HG22	1:430:A:LEU:H	11	0.83
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	14	0.83
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD3	2	0.83
(1,3452)	1:412:A:LEU:HD22	1:409:A:GLN:HA	1	0.83
(1,3426)	1:434:A:GLU:HA	1:430:A:LEU:HD13	12	0.83
(1,3422)	1:406:A:GLU:HB2	1:407:A:PRO:HD2	8	0.83
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	4	0.83
(1,3196)	1:363:A:ILE:HA	1:362:A:LYS:HB2	5	0.83
(1,3196)	1:363:A:ILE:HA	1:362:A:LYS:HB2	8	0.83
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	7	0.83
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD12	3	0.83
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD12	12	0.83
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG23	11	0.83
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG21	12	0.83
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	5	0.83
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	6	0.83
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	9	0.83
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	11	0.83
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	18	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2815)	1:436:A:GLN:HE22	1:435:A:SER:HB2	1	0.83
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	9	0.83
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	16	0.83
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	19	0.83
(1,2254)	1:427:A:THR:HG23	1:402:A:ILE:HG21	18	0.83
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD13	7	0.83
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	10	0.83
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD21	5	0.83
(1,1812)	1:415:A:PHE:HE2	1:341:A:VAL:HG21	20	0.83
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	5	0.83
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	9	0.83
(1,1560)	1:403:A:ILE:HG21	1:397:A:TYR:HB3	7	0.83
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	12	0.83
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD21	4	0.83
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	5	0.83
(1,1272)	1:383:A:THR:HG23	1:384:A:ASN:HB2	19	0.83
(1,994)	1:367:A:VAL:HG13	1:368:A:ASP:HB3	3	0.83
(1,970)	1:366:A:ILE:HG22	1:369:A:PRO:HB2	15	0.83
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG21	1	0.83
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG23	17	0.83
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG21	11	0.83
(1,899)	1:363:A:ILE:HD12	1:414:A:ARG:HA	1	0.83
(1,899)	1:363:A:ILE:HD11	1:414:A:ARG:HA	13	0.83
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	18	0.83
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	16	0.83
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	11	0.83
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	16	0.82
(1,3591)	1:394:A:LEU:HD23	1:413:A:PHE:HE1	7	0.82
(1,3562)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	16	0.82
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD21	17	0.82
(1,3555)	1:430:A:LEU:HD13	1:338:A:TRP:HB3	3	0.82
(1,3555)	1:430:A:LEU:HD13	1:338:A:TRP:HB3	9	0.82
(1,3512)	1:427:A:THR:HG22	1:430:A:LEU:H	16	0.82
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	5	0.82
(1,3452)	1:412:A:LEU:HD23	1:409:A:GLN:HA	10	0.82
(1,3452)	1:412:A:LEU:HD23	1:409:A:GLN:HA	17	0.82
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	5	0.82
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD2	12	0.82
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	3	0.82
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	20	0.82
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	15	0.82
(1,3252)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	20	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	2	0.82
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	10	0.82
(1,3116)	1:354:A:ILE:HG21	1:340:A:TYR:HE2	12	0.82
(1,3115)	1:354:A:ILE:HG22	1:344:A:LEU:H	8	0.82
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG21	16	0.82
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	15	0.82
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	1	0.82
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	18	0.82
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	13	0.82
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	5	0.82
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	19	0.82
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	4	0.82
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	9	0.82
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	12	0.82
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	1	0.82
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	10	0.82
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	2	0.82
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	8	0.82
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	16	0.82
(1,2260)	1:336:A:LEU:HD13	1:427:A:THR:HG22	8	0.82
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG22	9	0.82
(1,2234)	1:372:A:LEU:HD12	1:366:A:ILE:HD11	7	0.82
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD12	13	0.82
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD11	18	0.82
(1,2156)	1:336:A:LEU:HD22	1:338:A:TRP:HE1	3	0.82
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG23	7	0.82
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG21	11	0.82
(1,1754)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	8	0.82
(1,1731)	1:411:A:LEU:HD21	1:387:A:TYR:HE1	8	0.82
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	14	0.82
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	19	0.82
(1,1590)	1:404:A:ARG:HB3	1:404:A:ARG:HD3	6	0.82
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	18	0.82
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	4	0.82
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	10	0.82
(1,1413)	1:394:A:LEU:HD22	1:337:A:LEU:HD23	10	0.82
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD23	14	0.82
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	8	0.82
(1,1364)	1:391:A:SER:HA	1:390:A:MET:HB2	18	0.82
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	1	0.82
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	7	0.82
(1,1272)	1:383:A:THR:HG23	1:384:A:ASN:HB2	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:366:A:ILE:HG22	1:369:A:PRO:HB2	1	0.82
(1,970)	1:366:A:ILE:HG21	1:369:A:PRO:HB2	11	0.82
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG21	19	0.82
(1,899)	1:363:A:ILE:HD13	1:414:A:ARG:HA	3	0.82
(1,899)	1:363:A:ILE:HD11	1:414:A:ARG:HA	5	0.82
(1,899)	1:363:A:ILE:HD13	1:414:A:ARG:HA	12	0.82
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	15	0.82
(1,389)	1:337:A:LEU:HD23	1:393:A:ALA:HB2	2	0.82
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB2	20	0.82
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD13	13	0.82
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	5	0.82
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	20	0.82
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	14	0.82
(1,307)	1:397:A:TYR:HE1	1:338:A:TRP:HB3	12	0.82
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD13	4	0.81
(1,3715)	1:401:A:ASN:HD21	1:399:A:LYS:HB3	7	0.81
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	17	0.81
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	13	0.81
(1,3591)	1:394:A:LEU:HD22	1:413:A:PHE:HE2	4	0.81
(1,3571)	1:336:A:LEU:HD23	1:376:A:TRP:HZ2	14	0.81
(1,3568)	1:336:A:LEU:HD12	1:338:A:TRP:HB3	9	0.81
(1,3555)	1:430:A:LEU:HD12	1:338:A:TRP:HB3	16	0.81
(1,3548)	1:418:A:THR:HG23	1:362:A:LYS:HA	15	0.81
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	4	0.81
(1,3504)	1:362:A:LYS:HE3	1:415:A:PHE:HD2	5	0.81
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD3	9	0.81
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	12	0.81
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	15	0.81
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	7	0.81
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	11	0.81
(1,3367)	1:374:A:ARG:HA	1:374:A:ARG:HE	14	0.81
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	2	0.81
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	4	0.81
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	12	0.81
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH11	17	0.81
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	18	0.81
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD21	17	0.81
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	14	0.81
(1,3002)	1:397:A:TYR:HE2	1:402:A:ILE:HG23	20	0.81
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	1	0.81
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	3	0.81
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	14	0.81
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	18	0.81
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG22	14	0.81
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	3	0.81
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	9	0.81
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	11	0.81
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	13	0.81
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	17	0.81
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	18	0.81
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	17	0.81
(1,2260)	1:336:A:LEU:HD12	1:427:A:THR:HG21	9	0.81
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG21	13	0.81
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD12	20	0.81
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	4	0.81
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD21	3	0.81
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD22	9	0.81
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD22	15	0.81
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD22	19	0.81
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	11	0.81
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	18	0.81
(1,1966)	1:422:A:ILE:HD13	1:338:A:TRP:HB3	12	0.81
(1,1764)	1:412:A:LEU:HD23	1:410:A:ARG:HE	17	0.81
(1,1636)	1:406:A:GLU:HG3	1:414:A:ARG:H	5	0.81
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	13	0.81
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	3	0.81
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	20	0.81
(1,1413)	1:394:A:LEU:HD21	1:337:A:LEU:HD23	1	0.81
(1,1413)	1:394:A:LEU:HD21	1:337:A:LEU:HD22	6	0.81
(1,1272)	1:383:A:THR:HG22	1:384:A:ASN:HB2	9	0.81
(1,1272)	1:383:A:THR:HG21	1:384:A:ASN:HB2	12	0.81
(1,970)	1:366:A:ILE:HG22	1:369:A:PRO:HB2	2	0.81
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	20	0.81
(1,899)	1:363:A:ILE:HD11	1:414:A:ARG:HA	20	0.81
(1,820)	1:360:A:GLU:H	1:360:A:GLU:HG2	16	0.81
(1,818)	1:360:A:GLU:HG3	1:359:A:LYS:HB2	13	0.81
(1,506)	1:344:A:LEU:HD23	1:343:A:GLN:HE21	11	0.81
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	19	0.81
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	5	0.81
(1,69)	1:375:A:LEU:HD12	1:344:A:LEU:HD23	1	0.81
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD12	5	0.8
(1,3597)	1:432:A:HIS:HD2	1:433:A:LEU:HG	11	0.8
(1,3568)	1:336:A:LEU:HD12	1:338:A:TRP:HB3	16	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3549)	1:427:A:THR:HG21	1:426:A:ARG:HD2	16	0.8
(1,3518)	1:427:A:THR:HG23	1:431:A:GLU:HG3	10	0.8
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	5	0.8
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	9	0.8
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD3	15	0.8
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	16	0.8
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG23	2	0.8
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	8	0.8
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	20	0.8
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	2	0.8
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	18	0.8
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	4	0.8
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	18	0.8
(1,3202)	1:363:A:ILE:HD12	1:414:A:ARG:HH11	8	0.8
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	8	0.8
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	9	0.8
(1,3118)	1:354:A:ILE:HG23	1:372:A:LEU:HB2	1	0.8
(1,3116)	1:354:A:ILE:HG22	1:340:A:TYR:HE2	11	0.8
(1,3115)	1:354:A:ILE:HG23	1:344:A:LEU:H	2	0.8
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	12	0.8
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	15	0.8
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD23	20	0.8
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG22	10	0.8
(1,3050)	1:338:A:TRP:HD1	1:336:A:LEU:HB2	13	0.8
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	7	0.8
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB2	4	0.8
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB1	15	0.8
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG22	6	0.8
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	6	0.8
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	4	0.8
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	7	0.8
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	8	0.8
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	12	0.8
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	15	0.8
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	16	0.8
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	4	0.8
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	2	0.8
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD12	8	0.8
(1,2234)	1:372:A:LEU:HD12	1:366:A:ILE:HD11	10	0.8
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD11	15	0.8
(1,2189)	1:369:A:PRO:HB2	1:411:A:LEU:HD13	17	0.8
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG23	18	0.8
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	1	0.8
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	2	0.8
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD12	11	0.8
(1,1413)	1:394:A:LEU:HD22	1:337:A:LEU:HD22	2	0.8
(1,1413)	1:394:A:LEU:HD22	1:337:A:LEU:HD22	9	0.8
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD21	20	0.8
(1,1272)	1:383:A:THR:HG22	1:384:A:ASN:HB2	6	0.8
(1,1272)	1:383:A:THR:HG22	1:384:A:ASN:HB2	17	0.8
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	8	0.8
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	12	0.8
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	6	0.8
(1,820)	1:360:A:GLU:H	1:360:A:GLU:HG2	18	0.8
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	17	0.8
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	6	0.8
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	17	0.8
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD12	4	0.8
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD11	7	0.8
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	1	0.79
(1,3651)	1:355:A:ARG:H	1:365:A:ARG:HD3	6	0.79
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	9	0.79
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	11	0.79
(1,3579)	1:429:A:ARG:HA	1:429:A:ARG:HD2	19	0.79
(1,3568)	1:336:A:LEU:HD13	1:338:A:TRP:HB3	11	0.79
(1,3562)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	18	0.79
(1,3518)	1:427:A:THR:HG21	1:431:A:GLU:HG3	18	0.79
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	6	0.79
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	11	0.79
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	18	0.79
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE2	3	0.79
(1,3452)	1:412:A:LEU:HD22	1:409:A:GLN:HA	12	0.79
(1,3422)	1:406:A:GLU:HB2	1:407:A:PRO:HD2	5	0.79
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	19	0.79
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	1	0.79
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	6	0.79
(1,3124)	1:354:A:ILE:HD12	1:372:A:LEU:HB2	6	0.79
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	1	0.79
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	10	0.79
(1,3101)	1:350:A:TYR:HE1	1:349:A:ARG:HB3	14	0.79
(1,3082)	1:344:A:LEU:HD12	1:337:A:LEU:HA	12	0.79
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	20	0.79
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	13	0.79
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	14	0.79
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	16	0.79
(1,2892)	1:430:A:LEU:HD13	1:431:A:GLU:H	19	0.79
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	20	0.79
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	15	0.79
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD12	10	0.79
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	9	0.79
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	7	0.79
(1,2250)	1:363:A:ILE:HG21	1:412:A:LEU:HD23	19	0.79
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	13	0.79
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	15	0.79
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	16	0.79
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	1	0.79
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	7	0.79
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	9	0.79
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	13	0.79
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	14	0.79
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD11	12	0.79
(1,1731)	1:411:A:LEU:HD22	1:387:A:TYR:HE1	5	0.79
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	5	0.79
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	8	0.79
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD11	7	0.79
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	18	0.79
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD22	13	0.79
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD21	17	0.79
(1,1272)	1:383:A:THR:HG23	1:384:A:ASN:HB2	2	0.79
(1,1272)	1:383:A:THR:HG23	1:384:A:ASN:HB2	7	0.79
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD13	4	0.79
(1,1076)	1:371:A:GLY:HA3	1:353:A:PHE:HE2	6	0.79
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	1	0.79
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	4	0.79
(1,994)	1:367:A:VAL:HG12	1:368:A:ASP:HB3	8	0.79
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	9	0.79
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG23	11	0.79
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG22	12	0.79
(1,899)	1:363:A:ILE:HD11	1:414:A:ARG:HA	17	0.79
(1,651)	1:354:A:ILE:HG23	1:345:A:LEU:HD22	10	0.79
(1,575)	1:348:A:SER:HA	1:351:A:GLU:HB3	4	0.79
(1,553)	1:346:A:SER:HB2	1:347:A:ASP:HB3	17	0.79
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD13	11	0.79
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	3	0.79
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	15	0.79
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD13	1	0.79
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	5	0.78
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	4	0.78
(1,3579)	1:432:A:HIS:HB3	1:429:A:ARG:HA	8	0.78
(1,3568)	1:336:A:LEU:HD11	1:338:A:TRP:HB3	17	0.78
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD23	15	0.78
(1,3555)	1:430:A:LEU:HD12	1:338:A:TRP:HB3	19	0.78
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	3	0.78
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	20	0.78
(1,3504)	1:362:A:LYS:HE3	1:415:A:PHE:HD2	4	0.78
(1,3503)	1:362:A:LYS:HE2	1:418:A:THR:H	7	0.78
(1,3473)	1:415:A:PHE:HZ	1:419:A:PRO:HD3	1	0.78
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	17	0.78
(1,3452)	1:412:A:LEU:HD23	1:409:A:GLN:HA	15	0.78
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	6	0.78
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	14	0.78
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD2	15	0.78
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE2	7	0.78
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	7	0.78
(1,3237)	1:366:A:ILE:HG21	1:368:A:ASP:HA	18	0.78
(1,3196)	1:363:A:ILE:HA	1:362:A:LYS:HB2	15	0.78
(1,3184)	1:424:A:SER:HB3	1:426:A:ARG:HG3	18	0.78
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	1	0.78
(1,3124)	1:354:A:ILE:HD11	1:372:A:LEU:HB2	12	0.78
(1,3124)	1:354:A:ILE:HD11	1:372:A:LEU:HB2	18	0.78
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD12	10	0.78
(1,3118)	1:354:A:ILE:HG21	1:355:A:ARG:HB3	2	0.78
(1,3115)	1:354:A:ILE:HG22	1:344:A:LEU:H	14	0.78
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	16	0.78
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD11	13	0.78
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG13	3	0.78
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	11	0.78
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	14	0.78
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	16	0.78
(1,2924)	1:396:A:HIS:HD2	1:400:A:LEU:HB3	20	0.78
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD11	15	0.78
(1,2892)	1:430:A:LEU:HD11	1:431:A:GLU:H	20	0.78
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB2	10	0.78
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB1	17	0.78
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG21	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	5	0.78
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	14	0.78
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD12	15	0.78
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	13	0.78
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	14	0.78
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	3	0.78
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	20	0.78
(1,2260)	1:336:A:LEU:HD13	1:427:A:THR:HG23	3	0.78
(1,2260)	1:336:A:LEU:HD13	1:427:A:THR:HG21	11	0.78
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG22	11	0.78
(1,2207)	1:429:A:ARG:HA	1:433:A:LEU:HD22	8	0.78
(1,2156)	1:336:A:LEU:HD23	1:338:A:TRP:HE1	12	0.78
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	7	0.78
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	9	0.78
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	18	0.78
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG23	3	0.78
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD23	8	0.78
(1,1812)	1:415:A:PHE:HE2	1:341:A:VAL:HG21	17	0.78
(1,1560)	1:403:A:ILE:HG21	1:397:A:TYR:HB3	9	0.78
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	15	0.78
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	16	0.78
(1,1479)	1:400:A:LEU:HD12	1:399:A:LYS:HE2	10	0.78
(1,1413)	1:394:A:LEU:HD22	1:337:A:LEU:HD21	19	0.78
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	5	0.78
(1,1370)	1:391:A:SER:HB3	1:390:A:MET:HB2	8	0.78
(1,1320)	1:389:A:LYS:HA	1:389:A:LYS:HG3	16	0.78
(1,1272)	1:383:A:THR:HG22	1:384:A:ASN:HB2	5	0.78
(1,1272)	1:383:A:THR:HG21	1:384:A:ASN:HB2	18	0.78
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD13	2	0.78
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD13	5	0.78
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD11	13	0.78
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD11	20	0.78
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	18	0.78
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	3	0.78
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	6	0.78
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	7	0.78
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	10	0.78
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG22	6	0.78
(1,912)	1:363:A:ILE:HG23	1:414:A:ARG:HD2	19	0.78
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG22	9	0.78
(1,899)	1:363:A:ILE:HD13	1:414:A:ARG:HA	6	0.78
(1,899)	1:363:A:ILE:HD12	1:414:A:ARG:HA	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:363:A:ILE:HD12	1:414:A:ARG:HA	9	0.78
(1,899)	1:363:A:ILE:HD13	1:414:A:ARG:HA	11	0.78
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD12	10	0.78
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	10	0.78
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD13	5	0.78
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	2	0.77
(1,3579)	1:432:A:HIS:HB3	1:429:A:ARG:HA	2	0.77
(1,3568)	1:336:A:LEU:HD13	1:338:A:TRP:HB3	1	0.77
(1,3568)	1:336:A:LEU:HD11	1:338:A:TRP:HB3	4	0.77
(1,3568)	1:336:A:LEU:HD12	1:338:A:TRP:HB3	19	0.77
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD23	10	0.77
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	1	0.77
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	10	0.77
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	3	0.77
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD3	4	0.77
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG21	16	0.77
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG23	19	0.77
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	3	0.77
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	8	0.77
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	10	0.77
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	13	0.77
(1,3473)	1:415:A:PHE:HZ	1:419:A:PRO:HD3	18	0.77
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	18	0.77
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	3	0.77
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD2	10	0.77
(1,3392)	1:403:A:ILE:HG23	1:404:A:ARG:HB3	6	0.77
(1,3392)	1:403:A:ILE:HG22	1:404:A:ARG:HB3	14	0.77
(1,3380)	1:379:A:HIS:HE1	1:335:A:ARG:HG2	12	0.77
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE2	2	0.77
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	9	0.77
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	20	0.77
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	8	0.77
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	1	0.77
(1,3237)	1:366:A:ILE:HG23	1:368:A:ASP:HA	11	0.77
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	16	0.77
(1,3188)	1:362:A:LYS:HG3	1:415:A:PHE:HD2	20	0.77
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	14	0.77
(1,3124)	1:354:A:ILE:HD11	1:372:A:LEU:HB2	15	0.77
(1,3124)	1:354:A:ILE:HD13	1:372:A:LEU:HB2	19	0.77
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD13	1	0.77
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD13	6	0.77
(1,3115)	1:354:A:ILE:HG22	1:344:A:LEU:H	9	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	13	0.77
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	19	0.77
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	8	0.77
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD22	5	0.77
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG21	15	0.77
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	17	0.77
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	15	0.77
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	19	0.77
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	7	0.77
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	19	0.77
(1,2924)	1:396:A:HIS:HD2	1:393:A:ALA:HB3	19	0.77
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG21	12	0.77
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	2	0.77
(1,2793)	1:428:A:ASP:H	1:430:A:LEU:HD12	12	0.77
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	18	0.77
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	6	0.77
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	18	0.77
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	9	0.77
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	16	0.77
(1,2234)	1:372:A:LEU:HD12	1:366:A:ILE:HD11	11	0.77
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD13	20	0.77
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	13	0.77
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	9	0.77
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	19	0.77
(1,2075)	1:436:A:GLN:HE22	1:433:A:LEU:HA	11	0.77
(1,2047)	1:430:A:LEU:HG	1:430:A:LEU:H	12	0.77
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD23	6	0.77
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	1	0.77
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	3	0.77
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	4	0.77
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	8	0.77
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	10	0.77
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	11	0.77
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	12	0.77
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	13	0.77
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	15	0.77
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	16	0.77
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	3	0.77
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG21	17	0.77
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD21	4	0.77
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD21	5	0.77
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD23	14	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1812)	1:415:A:PHE:HE2	1:341:A:VAL:HG23	1	0.77
(1,1798)	1:414:A:ARG:HD2	1:414:A:ARG:HH12	8	0.77
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	7	0.77
(1,1413)	1:394:A:LEU:HD21	1:337:A:LEU:HD21	7	0.77
(1,1292)	1:386:A:THR:HG23	1:384:A:ASN:HB3	3	0.77
(1,1272)	1:383:A:THR:HG22	1:384:A:ASN:HB2	8	0.77
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD11	6	0.77
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD12	9	0.77
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD11	14	0.77
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD11	16	0.77
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	13	0.77
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	2	0.77
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	8	0.77
(1,994)	1:367:A:VAL:HG11	1:368:A:ASP:HB3	4	0.77
(1,970)	1:366:A:ILE:HG21	1:369:A:PRO:HB2	13	0.77
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	14	0.77
(1,911)	1:361:A:SER:HB3	1:363:A:ILE:HG23	12	0.77
(1,899)	1:363:A:ILE:HD12	1:414:A:ARG:HA	10	0.77
(1,899)	1:363:A:ILE:HD13	1:414:A:ARG:HA	18	0.77
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	15	0.77
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	18	0.77
(1,384)	1:376:A:TRP:HE1	1:337:A:LEU:HD12	16	0.77
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	2	0.77
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	2	0.77
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	4	0.77
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD12	16	0.77
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD21	11	0.77
(1,3597)	1:432:A:HIS:HD2	1:433:A:LEU:HG	10	0.76
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	12	0.76
(1,3571)	1:336:A:LEU:HD23	1:376:A:TRP:HZ2	1	0.76
(1,3568)	1:336:A:LEU:HD11	1:338:A:TRP:HB3	7	0.76
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD22	5	0.76
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD23	14	0.76
(1,3548)	1:418:A:THR:HG21	1:362:A:LYS:HA	17	0.76
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG23	19	0.76
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	3	0.76
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	11	0.76
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	12	0.76
(1,3473)	1:415:A:PHE:HZ	1:419:A:PRO:HD3	14	0.76
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	16	0.76
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD12	18	0.76
(1,3381)	1:400:A:LEU:HD11	1:397:A:TYR:HB3	19	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	18	0.76
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	14	0.76
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	20	0.76
(1,3196)	1:363:A:ILE:HA	1:362:A:LYS:HB2	16	0.76
(1,3188)	1:362:A:LYS:HG3	1:415:A:PHE:HD2	11	0.76
(1,3124)	1:354:A:ILE:HD12	1:372:A:LEU:HB2	13	0.76
(1,3124)	1:354:A:ILE:HD11	1:372:A:LEU:HB2	17	0.76
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD12	18	0.76
(1,3115)	1:354:A:ILE:HG23	1:344:A:LEU:H	5	0.76
(1,3115)	1:354:A:ILE:HG22	1:344:A:LEU:H	7	0.76
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	2	0.76
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	10	0.76
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	3	0.76
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	20	0.76
(1,2892)	1:430:A:LEU:HD11	1:431:A:GLU:H	7	0.76
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	12	0.76
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	4	0.76
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	15	0.76
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	2	0.76
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	6	0.76
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	20	0.76
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	5	0.76
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	12	0.76
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	4	0.76
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	5	0.76
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	20	0.76
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG23	3	0.76
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG21	7	0.76
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG21	17	0.76
(1,2254)	1:427:A:THR:HG23	1:402:A:ILE:HG22	19	0.76
(1,2250)	1:363:A:ILE:HG21	1:412:A:LEU:HD22	9	0.76
(1,2234)	1:372:A:LEU:HD13	1:366:A:ILE:HD11	4	0.76
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD13	18	0.76
(1,2159)	1:336:A:LEU:HD22	1:339:A:ASP:HB2	19	0.76
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	3	0.76
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	12	0.76
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD21	1	0.76
(1,2055)	1:430:A:LEU:HD13	1:430:A:LEU:HA	7	0.76
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	13	0.76
(1,2043)	1:430:A:LEU:HB2	1:427:A:THR:HB	12	0.76
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	2	0.76
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	14	0.76
(1,2001)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	17	0.76
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD21	19	0.76
(1,1812)	1:415:A:PHE:HE2	1:341:A:VAL:HG23	11	0.76
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	2	0.76
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	11	0.76
(1,1560)	1:403:A:ILE:HG23	1:397:A:TYR:HB3	13	0.76
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	2	0.76
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	11	0.76
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	16	0.76
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	2	0.76
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	12	0.76
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD12	1	0.76
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD13	3	0.76
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD12	7	0.76
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD11	8	0.76
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD12	11	0.76
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD13	17	0.76
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD11	18	0.76
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD13	19	0.76
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	17	0.76
(1,970)	1:366:A:ILE:HG23	1:369:A:PRO:HB2	4	0.76
(1,970)	1:366:A:ILE:HG22	1:369:A:PRO:HB2	17	0.76
(1,899)	1:363:A:ILE:HD11	1:414:A:ARG:HA	14	0.76
(1,899)	1:363:A:ILE:HD11	1:414:A:ARG:HA	16	0.76
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	19	0.76
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	6	0.76
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	10	0.76
(1,784)	1:360:A:GLU:H	1:359:A:LYS:HB2	15	0.76
(1,691)	1:355:A:ARG:HD2	1:356:A:TRP:H	20	0.76
(1,555)	1:346:A:SER:H	1:346:A:SER:HB2	5	0.76
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD21	9	0.76
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	11	0.76
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	8	0.76
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD11	6	0.76
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD12	10	0.76
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD11	13	0.76
(1,3633)	1:343:A:GLN:HE22	1:335:A:ARG:HD3	15	0.75
(1,3561)	1:396:A:HIS:HA	1:430:A:LEU:HD21	8	0.75
(1,3512)	1:427:A:THR:HG22	1:430:A:LEU:H	10	0.75
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	13	0.75
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE2	16	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3504)	1:362:A:LYS:HE2	1:361:A:SER:H	20	0.75
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	6	0.75
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD3	16	0.75
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG22	7	0.75
(1,3473)	1:415:A:PHE:HZ	1:419:A:PRO:HD3	4	0.75
(1,3473)	1:415:A:PHE:HZ	1:419:A:PRO:HD3	6	0.75
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	15	0.75
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	18	0.75
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	2	0.75
(1,3399)	1:403:A:ILE:HD11	1:413:A:PHE:HD2	18	0.75
(1,3392)	1:403:A:ILE:HG22	1:404:A:ARG:HB3	16	0.75
(1,3381)	1:400:A:LEU:HD11	1:397:A:TYR:HB3	20	0.75
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	10	0.75
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	7	0.75
(1,3252)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	2	0.75
(1,3252)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	6	0.75
(1,3252)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	13	0.75
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	10	0.75
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	16	0.75
(1,3196)	1:363:A:ILE:HA	1:362:A:LYS:HB2	3	0.75
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	10	0.75
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	20	0.75
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH11	6	0.75
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	19	0.75
(1,3124)	1:354:A:ILE:HD11	1:372:A:LEU:HB2	3	0.75
(1,3124)	1:354:A:ILE:HD12	1:372:A:LEU:HB2	20	0.75
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD11	11	0.75
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	20	0.75
(1,3082)	1:344:A:LEU:HD11	1:337:A:LEU:HA	20	0.75
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	4	0.75
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	10	0.75
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	11	0.75
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	7	0.75
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	11	0.75
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	3	0.75
(1,2927)	1:364:A:PHE:HB3	1:363:A:ILE:HB	15	0.75
(1,2924)	1:396:A:HIS:HD2	1:400:A:LEU:HB3	8	0.75
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	20	0.75
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG23	11	0.75
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	8	0.75
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	16	0.75
(1,2782)	1:426:A:ARG:H	1:426:A:ARG:HB3	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD12	14	0.75
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD13	19	0.75
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	6	0.75
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	12	0.75
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	13	0.75
(1,2260)	1:336:A:LEU:HD13	1:427:A:THR:HG21	20	0.75
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG23	6	0.75
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG21	14	0.75
(1,2234)	1:372:A:LEU:HD12	1:366:A:ILE:HD13	9	0.75
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD13	15	0.75
(1,2234)	1:372:A:LEU:HD13	1:366:A:ILE:HD13	17	0.75
(1,2232)	1:372:A:LEU:HD11	1:375:A:LEU:HD22	10	0.75
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD23	14	0.75
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	7	0.75
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	14	0.75
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	17	0.75
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	5	0.75
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD22	20	0.75
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	15	0.75
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	16	0.75
(1,1878)	1:418:A:THR:HG22	1:415:A:PHE:HB2	10	0.75
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD13	13	0.75
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	14	0.75
(1,1847)	1:417:A:LYS:HB2	1:422:A:ILE:HG13	12	0.75
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD23	18	0.75
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	20	0.75
(1,1560)	1:403:A:ILE:HG23	1:397:A:TYR:HB3	3	0.75
(1,1560)	1:403:A:ILE:HG21	1:397:A:TYR:HB3	6	0.75
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	12	0.75
(1,1413)	1:394:A:LEU:HD23	1:337:A:LEU:HD23	15	0.75
(1,1292)	1:386:A:THR:HG23	1:384:A:ASN:HB3	18	0.75
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	1	0.75
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD12	10	0.75
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD13	12	0.75
(1,970)	1:366:A:ILE:HG21	1:369:A:PRO:HB2	8	0.75
(1,899)	1:363:A:ILE:HD11	1:414:A:ARG:HA	4	0.75
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	15	0.75
(1,820)	1:360:A:GLU:H	1:360:A:GLU:HG2	5	0.75
(1,468)	1:343:A:GLN:HG3	1:344:A:LEU:HD22	17	0.75
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD22	15	0.75
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD11	7	0.75
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	7	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	8	0.75
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD13	8	0.75
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD13	9	0.75
(1,3597)	1:432:A:HIS:HD2	1:430:A:LEU:HB3	5	0.74
(1,3597)	1:432:A:HIS:HD2	1:433:A:LEU:HG	20	0.74
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	11	0.74
(1,3503)	1:417:A:LYS:HE3	1:418:A:THR:H	8	0.74
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD3	11	0.74
(1,3483)	1:415:A:PHE:HD1	1:417:A:LYS:HB3	19	0.74
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	2	0.74
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	5	0.74
(1,3473)	1:415:A:PHE:HZ	1:419:A:PRO:HD3	7	0.74
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	11	0.74
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	1	0.74
(1,3382)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	9	0.74
(1,3381)	1:400:A:LEU:HD12	1:397:A:TYR:HB3	12	0.74
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE2	15	0.74
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	15	0.74
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	1	0.74
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	7	0.74
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	19	0.74
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	6	0.74
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	7	0.74
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG23	8	0.74
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	11	0.74
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE2	7	0.74
(1,3124)	1:354:A:ILE:HD12	1:372:A:LEU:HB2	1	0.74
(1,3122)	1:354:A:ILE:HD11	1:342:A:TYR:HA	4	0.74
(1,3122)	1:354:A:ILE:HD12	1:342:A:TYR:HA	19	0.74
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD11	19	0.74
(1,3118)	1:354:A:ILE:HG21	1:355:A:ARG:HB3	10	0.74
(1,3118)	1:354:A:ILE:HG21	1:372:A:LEU:HB2	14	0.74
(1,3118)	1:354:A:ILE:HG23	1:372:A:LEU:HB2	16	0.74
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	20	0.74
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	9	0.74
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG13	2	0.74
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	2	0.74
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	2	0.74
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	12	0.74
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB3	1	0.74
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB1	14	0.74
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB2	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:354:A:ILE:HG21	1:367:A:VAL:H	9	0.74
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	17	0.74
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	12	0.74
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	7	0.74
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	13	0.74
(1,2729)	1:414:A:ARG:HE	1:363:A:ILE:HG12	9	0.74
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	8	0.74
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	1	0.74
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	10	0.74
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD23	8	0.74
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG21	2	0.74
(1,2254)	1:427:A:THR:HG23	1:402:A:ILE:HG21	4	0.74
(1,2234)	1:372:A:LEU:HD11	1:366:A:ILE:HD12	6	0.74
(1,2232)	1:372:A:LEU:HD11	1:375:A:LEU:HD23	1	0.74
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD11	8	0.74
(1,2221)	1:344:A:LEU:HD22	1:354:A:ILE:HG21	15	0.74
(1,2155)	1:336:A:LEU:HD11	1:431:A:GLU:HB3	13	0.74
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	1	0.74
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	2	0.74
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD21	6	0.74
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	10	0.74
(1,2055)	1:430:A:LEU:HD11	1:430:A:LEU:HA	3	0.74
(1,2055)	1:430:A:LEU:HD13	1:430:A:LEU:HA	9	0.74
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD23	7	0.74
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	5	0.74
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	14	0.74
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD21	6	0.74
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	2	0.74
(1,1560)	1:403:A:ILE:HG23	1:397:A:TYR:HB3	14	0.74
(1,1560)	1:403:A:ILE:HG21	1:397:A:TYR:HB3	17	0.74
(1,1107)	1:372:A:LEU:HB2	1:372:A:LEU:HD11	15	0.74
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD22	3	0.74
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	20	0.74
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG21	9	0.74
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	17	0.74
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	16	0.74
(1,555)	1:346:A:SER:H	1:346:A:SER:HB2	11	0.74
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	12	0.74
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD11	7	0.74
(1,389)	1:337:A:LEU:HD22	1:393:A:ALA:HB2	11	0.74
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	7	0.74
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	15	0.73
(1,3591)	1:394:A:LEU:HD21	1:413:A:PHE:HE2	19	0.73
(1,3571)	1:336:A:LEU:HD23	1:376:A:TRP:HZ2	10	0.73
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE3	5	0.73
(1,3504)	1:362:A:LYS:HE3	1:361:A:SER:H	7	0.73
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG23	11	0.73
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	14	0.73
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	10	0.73
(1,3477)	1:402:A:ILE:HG12	1:415:A:PHE:HE1	18	0.73
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	19	0.73
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	5	0.73
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	11	0.73
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	13	0.73
(1,3281)	1:335:A:ARG:HG3	1:340:A:TYR:HA	5	0.73
(1,3281)	1:335:A:ARG:HG3	1:340:A:TYR:HA	20	0.73
(1,3237)	1:366:A:ILE:HG21	1:368:A:ASP:HA	2	0.73
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	3	0.73
(1,3237)	1:366:A:ILE:HG21	1:368:A:ASP:HA	12	0.73
(1,3237)	1:366:A:ILE:HG21	1:368:A:ASP:HA	15	0.73
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG23	11	0.73
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	14	0.73
(1,3221)	1:410:A:ARG:HD3	1:409:A:GLN:HG2	5	0.73
(1,3202)	1:363:A:ILE:HD13	1:414:A:ARG:HH11	6	0.73
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	11	0.73
(1,3122)	1:354:A:ILE:HD13	1:342:A:TYR:HA	18	0.73
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	20	0.73
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	1	0.73
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG11	4	0.73
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	20	0.73
(1,3038)	1:337:A:LEU:HD11	1:397:A:TYR:HB2	20	0.73
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	11	0.73
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	10	0.73
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB3	16	0.73
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB3	17	0.73
(1,2863)	1:354:A:ILE:HG22	1:367:A:VAL:H	2	0.73
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	4	0.73
(1,2863)	1:354:A:ILE:HG21	1:367:A:VAL:H	14	0.73
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	19	0.73
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	7	0.73
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	9	0.73
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	10	0.73
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD11	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD12	7	0.73
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	3	0.73
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	5	0.73
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	15	0.73
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG21	12	0.73
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD21	6	0.73
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD23	13	0.73
(1,2234)	1:372:A:LEU:HD13	1:366:A:ILE:HD12	5	0.73
(1,2234)	1:372:A:LEU:HD13	1:366:A:ILE:HD11	12	0.73
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD12	9	0.73
(1,2226)	1:341:A:VAL:HG12	1:366:A:ILE:HD12	18	0.73
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	6	0.73
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD11	8	0.73
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	20	0.73
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	2	0.73
(1,2055)	1:430:A:LEU:HD11	1:430:A:LEU:HA	14	0.73
(1,2055)	1:430:A:LEU:HD11	1:430:A:LEU:HA	17	0.73
(1,2055)	1:430:A:LEU:HD13	1:430:A:LEU:HA	20	0.73
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD22	11	0.73
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	14	0.73
(1,1878)	1:418:A:THR:HG22	1:415:A:PHE:HB2	14	0.73
(1,1878)	1:418:A:THR:HG22	1:415:A:PHE:HB2	19	0.73
(1,1833)	1:416:A:MET:HG2	1:402:A:ILE:HA	5	0.73
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD23	15	0.73
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD23	16	0.73
(1,1814)	1:415:A:PHE:HE1	1:342:A:TYR:HE2	11	0.73
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD23	3	0.73
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD23	17	0.73
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	4	0.73
(1,1458)	1:399:A:LYS:HB2	1:400:A:LEU:HD13	9	0.73
(1,1413)	1:394:A:LEU:HD22	1:337:A:LEU:HD22	18	0.73
(1,1292)	1:386:A:THR:HG21	1:384:A:ASN:HB3	11	0.73
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG22	3	0.73
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	5	0.73
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	15	0.73
(1,994)	1:367:A:VAL:HG11	1:368:A:ASP:HB3	9	0.73
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG23	7	0.73
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	3	0.73
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	4	0.73
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	12	0.73
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	19	0.73
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	12	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	18	0.73
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD12	9	0.73
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	19	0.73
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD13	15	0.73
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	9	0.72
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	12	0.72
(1,3597)	1:432:A:HIS:HD2	1:430:A:LEU:HB3	6	0.72
(1,3591)	1:394:A:LEU:HD21	1:413:A:PHE:HE2	10	0.72
(1,3562)	1:433:A:LEU:HD21	1:432:A:HIS:HB2	14	0.72
(1,3548)	1:418:A:THR:HG23	1:362:A:LYS:HA	11	0.72
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	5	0.72
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG21	1	0.72
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG22	4	0.72
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	20	0.72
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	3	0.72
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	20	0.72
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	3	0.72
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	20	0.72
(1,3452)	1:412:A:LEU:HD23	1:409:A:GLN:HA	5	0.72
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	9	0.72
(1,3425)	1:410:A:ARG:HG3	1:410:A:ARG:HA	16	0.72
(1,3392)	1:403:A:ILE:HG23	1:404:A:ARG:HB3	7	0.72
(1,3392)	1:403:A:ILE:HG23	1:404:A:ARG:HB3	9	0.72
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	10	0.72
(1,3392)	1:403:A:ILE:HG23	1:404:A:ARG:HB3	17	0.72
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE2	6	0.72
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE2	8	0.72
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	4	0.72
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	10	0.72
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	11	0.72
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	15	0.72
(1,3237)	1:366:A:ILE:HG23	1:368:A:ASP:HA	8	0.72
(1,3237)	1:366:A:ILE:HG23	1:368:A:ASP:HA	13	0.72
(1,3237)	1:366:A:ILE:HG21	1:368:A:ASP:HA	17	0.72
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG21	18	0.72
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	20	0.72
(1,3188)	1:362:A:LYS:HG3	1:415:A:PHE:HD2	1	0.72
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	2	0.72
(1,3124)	1:354:A:ILE:HD11	1:372:A:LEU:HB2	10	0.72
(1,3122)	1:354:A:ILE:HD12	1:342:A:TYR:HA	5	0.72
(1,3115)	1:354:A:ILE:HG22	1:344:A:LEU:H	3	0.72
(1,3072)	1:342:A:TYR:HE2	1:341:A:VAL:HG22	6	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3071)	1:341:A:VAL:HG23	1:345:A:LEU:H	9	0.72
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	8	0.72
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	19	0.72
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	9	0.72
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	18	0.72
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB2	4	0.72
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB3	7	0.72
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB1	8	0.72
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB2	6	0.72
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	1	0.72
(1,2863)	1:354:A:ILE:HG21	1:367:A:VAL:H	7	0.72
(1,2863)	1:354:A:ILE:HG21	1:367:A:VAL:H	8	0.72
(1,2863)	1:354:A:ILE:HG21	1:367:A:VAL:H	15	0.72
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	5	0.72
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	13	0.72
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	10	0.72
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD13	1	0.72
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	13	0.72
(1,2260)	1:336:A:LEU:HD11	1:427:A:THR:HG23	18	0.72
(1,2254)	1:427:A:THR:HG22	1:402:A:ILE:HG23	8	0.72
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD22	15	0.72
(1,2232)	1:372:A:LEU:HD11	1:375:A:LEU:HD23	9	0.72
(1,2232)	1:372:A:LEU:HD12	1:375:A:LEU:HD23	12	0.72
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD13	11	0.72
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	16	0.72
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	4	0.72
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	11	0.72
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	19	0.72
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD23	14	0.72
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	12	0.72
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG23	4	0.72
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD13	6	0.72
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD21	7	0.72
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD23	9	0.72
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD21	13	0.72
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD21	18	0.72
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	10	0.72
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	17	0.72
(1,1312)	1:389:A:LYS:HB2	1:386:A:THR:H	16	0.72
(1,1118)	1:373:A:ALA:HB2	1:372:A:LEU:H	1	0.72
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD23	9	0.72
(1,994)	1:367:A:VAL:HG11	1:368:A:ASP:HB3	1	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG22	20	0.72
(1,899)	1:363:A:ILE:HD11	1:414:A:ARG:HA	2	0.72
(1,555)	1:346:A:SER:H	1:346:A:SER:HB2	2	0.72
(1,555)	1:346:A:SER:H	1:346:A:SER:HB2	16	0.72
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	13	0.72
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	4	0.72
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	10	0.72
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	4	0.72
(1,467)	1:343:A:GLN:HG2	1:344:A:LEU:HD12	11	0.72
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD13	14	0.72
(1,3591)	1:394:A:LEU:HD23	1:413:A:PHE:HE2	5	0.71
(1,3571)	1:336:A:LEU:HD22	1:376:A:TRP:HZ2	8	0.71
(1,3548)	1:418:A:THR:HG21	1:362:A:LYS:HA	20	0.71
(1,3512)	1:427:A:THR:HG22	1:430:A:LEU:H	17	0.71
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	19	0.71
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	1	0.71
(1,3392)	1:403:A:ILE:HG22	1:404:A:ARG:HB3	13	0.71
(1,3392)	1:403:A:ILE:HG22	1:404:A:ARG:HB3	20	0.71
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE2	9	0.71
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	1	0.71
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	6	0.71
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	7	0.71
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	8	0.71
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	10	0.71
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	11	0.71
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	19	0.71
(1,3237)	1:366:A:ILE:HG23	1:368:A:ASP:HA	5	0.71
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	19	0.71
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	12	0.71
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	5	0.71
(1,3124)	1:354:A:ILE:HD12	1:372:A:LEU:HB2	8	0.71
(1,3124)	1:354:A:ILE:HD11	1:372:A:LEU:HB2	11	0.71
(1,3122)	1:354:A:ILE:HD11	1:342:A:TYR:HA	6	0.71
(1,3122)	1:354:A:ILE:HD11	1:342:A:TYR:HA	13	0.71
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD12	14	0.71
(1,3118)	1:354:A:ILE:HG23	1:355:A:ARG:HB3	3	0.71
(1,3118)	1:354:A:ILE:HG22	1:355:A:ARG:HB3	4	0.71
(1,3118)	1:354:A:ILE:HG22	1:355:A:ARG:HB3	6	0.71
(1,3118)	1:354:A:ILE:HG22	1:355:A:ARG:HB3	12	0.71
(1,3118)	1:354:A:ILE:HG22	1:355:A:ARG:HB3	13	0.71
(1,3118)	1:354:A:ILE:HG23	1:372:A:LEU:HB2	19	0.71
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	12	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3071)	1:341:A:VAL:HG21	1:345:A:LEU:H	3	0.71
(1,3071)	1:341:A:VAL:HG22	1:345:A:LEU:H	7	0.71
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	5	0.71
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	6	0.71
(1,3038)	1:337:A:LEU:HD12	1:397:A:TYR:HB2	15	0.71
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	1	0.71
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	8	0.71
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG21	16	0.71
(1,2892)	1:430:A:LEU:HD11	1:431:A:GLU:H	9	0.71
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB1	11	0.71
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB3	13	0.71
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB3	18	0.71
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB1	10	0.71
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB2	16	0.71
(1,2863)	1:354:A:ILE:HG21	1:367:A:VAL:H	3	0.71
(1,2863)	1:354:A:ILE:HG22	1:367:A:VAL:H	10	0.71
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	16	0.71
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	1	0.71
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	1	0.71
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	5	0.71
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	8	0.71
(1,2477)	1:364:A:PHE:H	1:364:A:PHE:HD2	10	0.71
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	1	0.71
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	13	0.71
(1,2260)	1:336:A:LEU:HD12	1:427:A:THR:HG22	12	0.71
(1,2234)	1:372:A:LEU:HD13	1:366:A:ILE:HD11	19	0.71
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD22	13	0.71
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD11	5	0.71
(1,2226)	1:341:A:VAL:HG13	1:366:A:ILE:HD11	6	0.71
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD12	17	0.71
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD12	20	0.71
(1,2221)	1:344:A:LEU:HD21	1:354:A:ILE:HG23	16	0.71
(1,2221)	1:344:A:LEU:HD23	1:354:A:ILE:HG23	18	0.71
(1,2216)	1:341:A:VAL:HG21	1:345:A:LEU:HD11	10	0.71
(1,2156)	1:336:A:LEU:HD23	1:338:A:TRP:HE1	8	0.71
(1,2156)	1:336:A:LEU:HD23	1:338:A:TRP:HE1	18	0.71
(1,2156)	1:336:A:LEU:HD22	1:338:A:TRP:HE1	20	0.71
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD22	11	0.71
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	18	0.71
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD21	14	0.71
(1,2055)	1:430:A:LEU:HD13	1:430:A:LEU:HA	1	0.71
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD23	1	0.71
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	8	0.71
(1,1966)	1:422:A:ILE:HD13	1:338:A:TRP:HB3	14	0.71
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD13	19	0.71
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	2	0.71
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	10	0.71
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD22	3	0.71
(1,1814)	1:415:A:PHE:HE1	1:342:A:TYR:HE2	20	0.71
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD22	1	0.71
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD23	10	0.71
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD22	12	0.71
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD23	15	0.71
(1,1560)	1:403:A:ILE:HG23	1:397:A:TYR:HB3	18	0.71
(1,1118)	1:373:A:ALA:HB1	1:372:A:LEU:H	9	0.71
(1,1105)	1:372:A:LEU:HD23	1:344:A:LEU:HD21	12	0.71
(1,820)	1:360:A:GLU:H	1:360:A:GLU:HG2	1	0.71
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	15	0.71
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	18	0.71
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	3	0.71
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	16	0.71
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	3	0.71
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD13	1	0.71
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD11	2	0.71
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD11	2	0.71
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD12	19	0.71
(1,3571)	1:336:A:LEU:HD22	1:376:A:TRP:HZ2	5	0.7
(1,3571)	1:336:A:LEU:HD22	1:376:A:TRP:HZ2	18	0.7
(1,3562)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	8	0.7
(1,3548)	1:418:A:THR:HG22	1:362:A:LYS:HA	14	0.7
(1,3518)	1:427:A:THR:HG21	1:431:A:GLU:HG3	4	0.7
(1,3512)	1:427:A:THR:HG23	1:430:A:LEU:H	14	0.7
(1,3504)	1:362:A:LYS:HE3	1:415:A:PHE:HD2	8	0.7
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	6	0.7
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	17	0.7
(1,3452)	1:412:A:LEU:HD23	1:409:A:GLN:HA	8	0.7
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD11	14	0.7
(1,3442)	1:411:A:LEU:HD11	1:413:A:PHE:HE1	9	0.7
(1,3392)	1:403:A:ILE:HG22	1:404:A:ARG:HB3	3	0.7
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE2	10	0.7
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE2	20	0.7
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	2	0.7
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	8	0.7
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	4	0.7
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	9	0.7
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG21	1	0.7
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	20	0.7
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	17	0.7
(1,3124)	1:354:A:ILE:HD13	1:372:A:LEU:HB2	7	0.7
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD11	4	0.7
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	14	0.7
(1,3071)	1:341:A:VAL:HG23	1:345:A:LEU:H	15	0.7
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	9	0.7
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	14	0.7
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	3	0.7
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	6	0.7
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	10	0.7
(1,2892)	1:430:A:LEU:HD13	1:431:A:GLU:H	12	0.7
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB3	2	0.7
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB2	1	0.7
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB3	4	0.7
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB2	7	0.7
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB1	9	0.7
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB3	14	0.7
(1,2863)	1:354:A:ILE:HG22	1:367:A:VAL:H	5	0.7
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	6	0.7
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	13	0.7
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	18	0.7
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	4	0.7
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	18	0.7
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	14	0.7
(1,2250)	1:363:A:ILE:HG23	1:412:A:LEU:HD22	17	0.7
(1,2232)	1:372:A:LEU:HD12	1:375:A:LEU:HD21	17	0.7
(1,2221)	1:344:A:LEU:HD21	1:354:A:ILE:HG23	6	0.7
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD23	13	0.7
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD11	7	0.7
(1,2055)	1:430:A:LEU:HD11	1:430:A:LEU:HA	6	0.7
(1,2055)	1:430:A:LEU:HD11	1:430:A:LEU:HA	10	0.7
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD21	17	0.7
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	10	0.7
(1,1996)	1:426:A:ARG:HG3	1:426:A:ARG:HA	4	0.7
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	8	0.7
(1,1859)	1:417:A:LYS:HD2	1:417:A:LYS:HB2	12	0.7
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1407)	1:413:A:PHE:HE2	1:394:A:LEU:HD12	8	0.7
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	3	0.7
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	4	0.7
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	5	0.7
(1,1118)	1:373:A:ALA:HB1	1:372:A:LEU:H	10	0.7
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD22	2	0.7
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD21	4	0.7
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD22	15	0.7
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD21	19	0.7
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	11	0.7
(1,994)	1:367:A:VAL:HG13	1:368:A:ASP:HB3	18	0.7
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	2	0.7
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	8	0.7
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	13	0.7
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	1	0.7
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	5	0.7
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	13	0.7
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	15	0.7
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	9	0.7
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	20	0.7
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	7	0.7
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD12	17	0.7
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	8	0.69
(1,3591)	1:394:A:LEU:HD23	1:413:A:PHE:HE2	1	0.69
(1,3591)	1:394:A:LEU:HD21	1:413:A:PHE:HE2	2	0.69
(1,3562)	1:433:A:LEU:HD23	1:432:A:HIS:HB2	3	0.69
(1,3562)	1:433:A:LEU:HD21	1:432:A:HIS:HB2	7	0.69
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	15	0.69
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	7	0.69
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	15	0.69
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	14	0.69
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	17	0.69
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG23	10	0.69
(1,3456)	1:414:A:ARG:HA	1:414:A:ARG:HH11	19	0.69
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	7	0.69
(1,3381)	1:400:A:LEU:HD13	1:429:A:ARG:HD2	10	0.69
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	3	0.69
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	9	0.69
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	14	0.69
(1,3292)	1:361:A:SER:H	1:358:A:ASP:HB2	2	0.69
(1,3281)	1:335:A:ARG:HG3	1:340:A:TYR:HA	18	0.69
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	19	0.69
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	6	0.69
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	10	0.69
(1,3184)	1:424:A:SER:HB2	1:426:A:ARG:HG3	4	0.69
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	6	0.69
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	19	0.69
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD2	17	0.69
(1,3125)	1:354:A:ILE:HD12	1:372:A:LEU:HD12	8	0.69
(1,3125)	1:354:A:ILE:HD12	1:372:A:LEU:HD12	20	0.69
(1,3124)	1:354:A:ILE:HD12	1:372:A:LEU:HB2	16	0.69
(1,3122)	1:354:A:ILE:HD13	1:342:A:TYR:HA	12	0.69
(1,3122)	1:354:A:ILE:HD11	1:342:A:TYR:HA	16	0.69
(1,3115)	1:354:A:ILE:HG23	1:344:A:LEU:H	10	0.69
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	10	0.69
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	19	0.69
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG13	18	0.69
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	13	0.69
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	19	0.69
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	20	0.69
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	6	0.69
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB3	6	0.69
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG23	16	0.69
(1,2863)	1:354:A:ILE:HG23	1:367:A:VAL:H	17	0.69
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG22	17	0.69
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	11	0.69
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	3	0.69
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	6	0.69
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	14	0.69
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	20	0.69
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD13	18	0.69
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	19	0.69
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	3	0.69
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	9	0.69
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	14	0.69
(1,2254)	1:427:A:THR:HG21	1:402:A:ILE:HG21	20	0.69
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD13	2	0.69
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD11	20	0.69
(1,2226)	1:341:A:VAL:HG13	1:366:A:ILE:HD13	1	0.69
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD11	13	0.69
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD12	15	0.69
(1,2221)	1:344:A:LEU:HD22	1:354:A:ILE:HG23	20	0.69
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD12	4	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	18	0.69
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG22	5	0.69
(1,1878)	1:418:A:THR:HG22	1:415:A:PHE:HB2	2	0.69
(1,1878)	1:418:A:THR:HG21	1:415:A:PHE:HB2	17	0.69
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	12	0.69
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	14	0.69
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD22	16	0.69
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG23	11	0.69
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	8	0.69
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	19	0.69
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	20	0.69
(1,1307)	1:388:A:GLU:HG2	1:389:A:LYS:H	17	0.69
(1,1118)	1:373:A:ALA:HB2	1:372:A:LEU:H	16	0.69
(1,1118)	1:373:A:ALA:HB3	1:372:A:LEU:H	17	0.69
(1,848)	1:362:A:LYS:HB3	1:415:A:PHE:HD2	1	0.69
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD13	15	0.69
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD13	4	0.69
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	4	0.69
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	12	0.69
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD12	14	0.69
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD12	16	0.68
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	2	0.68
(1,3562)	1:433:A:LEU:HD21	1:432:A:HIS:HB2	2	0.68
(1,3518)	1:418:A:THR:HG23	1:421:A:GLU:HB2	16	0.68
(1,3476)	1:415:A:PHE:HE1	1:403:A:ILE:HG23	11	0.68
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	1	0.68
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD13	5	0.68
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	18	0.68
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	4	0.68
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	5	0.68
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	12	0.68
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	15	0.68
(1,3381)	1:400:A:LEU:HD12	1:397:A:TYR:HB3	18	0.68
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	7	0.68
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	14	0.68
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	5	0.68
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	12	0.68
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	13	0.68
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	15	0.68
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	16	0.68
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	17	0.68
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3252)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	3	0.68
(1,3252)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	12	0.68
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	17	0.68
(1,3237)	1:366:A:ILE:HG21	1:368:A:ASP:HA	1	0.68
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG21	12	0.68
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG23	13	0.68
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG21	15	0.68
(1,3195)	1:363:A:ILE:HA	1:414:A:ARG:HD2	5	0.68
(1,3156)	1:356:A:TRP:HE3	1:415:A:PHE:HE2	7	0.68
(1,3122)	1:354:A:ILE:HD11	1:342:A:TYR:HA	1	0.68
(1,3122)	1:354:A:ILE:HD12	1:342:A:TYR:HA	9	0.68
(1,3122)	1:354:A:ILE:HD13	1:342:A:TYR:HA	17	0.68
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD12	2	0.68
(1,3115)	1:354:A:ILE:HG21	1:344:A:LEU:H	17	0.68
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	3	0.68
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	5	0.68
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	7	0.68
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	16	0.68
(1,3071)	1:341:A:VAL:HG22	1:345:A:LEU:H	1	0.68
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	9	0.68
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	13	0.68
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	17	0.68
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	19	0.68
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	18	0.68
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	8	0.68
(1,2892)	1:430:A:LEU:HD11	1:431:A:GLU:H	1	0.68
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG21	15	0.68
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	6	0.68
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	18	0.68
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	13	0.68
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	17	0.68
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	18	0.68
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD12	3	0.68
(1,2232)	1:372:A:LEU:HD12	1:375:A:LEU:HD22	2	0.68
(1,2232)	1:372:A:LEU:HD11	1:375:A:LEU:HD22	7	0.68
(1,2226)	1:341:A:VAL:HG12	1:366:A:ILE:HD13	10	0.68
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD13	12	0.68
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	13	0.68
(1,2155)	1:336:A:LEU:HD11	1:431:A:GLU:HB3	1	0.68
(1,2155)	1:336:A:LEU:HD12	1:431:A:GLU:HB3	6	0.68
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD13	11	0.68
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD12	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG23	6	0.68
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG23	15	0.68
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG22	19	0.68
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	8	0.68
(1,1878)	1:418:A:THR:HG23	1:415:A:PHE:HB2	15	0.68
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD13	11	0.68
(1,1847)	1:417:A:LYS:HB2	1:422:A:ILE:HG13	19	0.68
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	7	0.68
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	12	0.68
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG22	18	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG21	3	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG22	4	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG22	7	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG23	9	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG22	13	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG22	14	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG22	17	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG23	19	0.68
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG22	20	0.68
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	3	0.68
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	15	0.68
(1,1475)	1:399:A:LYS:HA	1:399:A:LYS:HE2	5	0.68
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	4	0.68
(1,1305)	1:388:A:GLU:HB3	1:391:A:SER:HB3	8	0.68
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB2	11	0.68
(1,1118)	1:373:A:ALA:HB2	1:372:A:LEU:H	2	0.68
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD22	13	0.68
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	7	0.68
(1,994)	1:367:A:VAL:HG13	1:368:A:ASP:HB3	7	0.68
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	18	0.68
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	3	0.68
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	9	0.68
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	1	0.68
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	3	0.68
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	9	0.68
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	14	0.68
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	15	0.68
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD11	4	0.68
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD12	19	0.68
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD11	1	0.68
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD11	19	0.68
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	16	0.68
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	1	0.68
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	15	0.68
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD12	11	0.68
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD13	8	0.67
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD11	19	0.67
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD11	14	0.67
(1,3597)	1:432:A:HIS:HD2	1:430:A:LEU:HB3	19	0.67
(1,3591)	1:394:A:LEU:HD22	1:413:A:PHE:HE2	17	0.67
(1,3579)	1:429:A:ARG:HA	1:429:A:ARG:HD3	4	0.67
(1,3555)	1:430:A:LEU:HD13	1:338:A:TRP:HB3	20	0.67
(1,3542)	1:422:A:ILE:HD11	1:403:A:ILE:H	5	0.67
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	15	0.67
(1,3510)	1:418:A:THR:HA	1:417:A:LYS:HB3	17	0.67
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	20	0.67
(1,3504)	1:362:A:LYS:HE2	1:415:A:PHE:HD2	13	0.67
(1,3503)	1:362:A:LYS:HE2	1:418:A:THR:H	4	0.67
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG23	9	0.67
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG22	13	0.67
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	2	0.67
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	14	0.67
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	17	0.67
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD12	6	0.67
(1,3425)	1:410:A:ARG:HG3	1:410:A:ARG:HA	1	0.67
(1,3385)	1:401:A:ASN:HB2	1:402:A:ILE:HG13	14	0.67
(1,3381)	1:400:A:LEU:HD11	1:397:A:TYR:HB3	11	0.67
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	3	0.67
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	6	0.67
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	18	0.67
(1,3300)	1:397:A:TYR:HD1	1:397:A:TYR:HB2	20	0.67
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	5	0.67
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	9	0.67
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	5	0.67
(1,3237)	1:366:A:ILE:HG22	1:368:A:ASP:HA	14	0.67
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	3	0.67
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	4	0.67
(1,3219)	1:365:A:ARG:HD2	1:409:A:GLN:HE22	7	0.67
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	5	0.67
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	12	0.67
(1,3125)	1:354:A:ILE:HD13	1:372:A:LEU:HD11	5	0.67
(1,3124)	1:354:A:ILE:HD11	1:372:A:LEU:HB2	14	0.67
(1,3122)	1:354:A:ILE:HD13	1:342:A:TYR:HA	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD12	15	0.67
(1,3118)	1:354:A:ILE:HG21	1:372:A:LEU:HB2	15	0.67
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	4	0.67
(1,3090)	1:345:A:LEU:HD13	1:355:A:ARG:HB2	4	0.67
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	2	0.67
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	6	0.67
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	8	0.67
(1,2980)	1:350:A:TYR:HE2	1:345:A:LEU:H	9	0.67
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	4	0.67
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	13	0.67
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB1	20	0.67
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG23	13	0.67
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG22	16	0.67
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	11	0.67
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	16	0.67
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	6	0.67
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	18	0.67
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	8	0.67
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	11	0.67
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD12	16	0.67
(1,2226)	1:341:A:VAL:HG13	1:366:A:ILE:HD13	16	0.67
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD13	19	0.67
(1,2221)	1:344:A:LEU:HD22	1:354:A:ILE:HG21	7	0.67
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD11	2	0.67
(1,2216)	1:341:A:VAL:HG22	1:345:A:LEU:HD13	2	0.67
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD11	5	0.67
(1,2068)	1:431:A:GLU:H	1:431:A:GLU:HG2	16	0.67
(1,2055)	1:430:A:LEU:HD12	1:430:A:LEU:HA	8	0.67
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG22	9	0.67
(1,1966)	1:422:A:ILE:HD12	1:338:A:TRP:HB3	3	0.67
(1,1966)	1:422:A:ILE:HD12	1:338:A:TRP:HB3	19	0.67
(1,1878)	1:418:A:THR:HG23	1:415:A:PHE:HB2	7	0.67
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD12	14	0.67
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD12	20	0.67
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	18	0.67
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD22	2	0.67
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD21	12	0.67
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	1	0.67
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	3	0.67
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	13	0.67
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	16	0.67
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD22	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD22	20	0.67
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	12	0.67
(1,1560)	1:403:A:ILE:HG22	1:397:A:TYR:HB3	19	0.67
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	8	0.67
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG22	20	0.67
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG21	1	0.67
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG21	8	0.67
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG22	18	0.67
(1,1523)	1:402:A:ILE:HD12	1:397:A:TYR:HB2	10	0.67
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	1	0.67
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	3	0.67
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	7	0.67
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	11	0.67
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	15	0.67
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	10	0.67
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG22	1	0.67
(1,1118)	1:373:A:ALA:HB3	1:372:A:LEU:H	3	0.67
(1,1118)	1:373:A:ALA:HB3	1:372:A:LEU:H	4	0.67
(1,1118)	1:373:A:ALA:HB3	1:372:A:LEU:H	12	0.67
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD23	1	0.67
(1,1105)	1:372:A:LEU:HD23	1:344:A:LEU:HD23	18	0.67
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	6	0.67
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	13	0.67
(1,994)	1:367:A:VAL:HG11	1:368:A:ASP:HB3	10	0.67
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	10	0.67
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	10	0.67
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	19	0.67
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	8	0.67
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	5	0.67
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	7	0.67
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	9	0.67
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	10	0.67
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	13	0.67
(1,444)	1:341:A:VAL:HG12	1:345:A:LEU:HD21	2	0.67
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD23	12	0.67
(1,389)	1:337:A:LEU:HD21	1:393:A:ALA:HB3	4	0.67
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	9	0.67
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	19	0.67
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	19	0.67
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD13	19	0.66
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD13	5	0.66
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD11	10	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD12	12	0.66
(1,3602)	1:396:A:HIS:H	1:402:A:ILE:HB	20	0.66
(1,3591)	1:394:A:LEU:HD23	1:413:A:PHE:HE2	6	0.66
(1,3591)	1:394:A:LEU:HD21	1:413:A:PHE:HE2	11	0.66
(1,3562)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	4	0.66
(1,3548)	1:418:A:THR:HG21	1:362:A:LYS:HA	9	0.66
(1,3548)	1:418:A:THR:HG22	1:362:A:LYS:HA	13	0.66
(1,3515)	1:427:A:THR:HG23	1:338:A:TRP:HZ3	19	0.66
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	10	0.66
(1,3483)	1:415:A:PHE:HD1	1:417:A:LYS:HB3	12	0.66
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	12	0.66
(1,3445)	1:411:A:LEU:HD23	1:369:A:PRO:HD3	17	0.66
(1,3422)	1:406:A:GLU:HB2	1:407:A:PRO:HD2	9	0.66
(1,3380)	1:379:A:HIS:HE1	1:335:A:ARG:HG3	16	0.66
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	15	0.66
(1,3235)	1:367:A:VAL:HG23	1:352:A:ASN:HA	4	0.66
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG21	2	0.66
(1,3185)	1:361:A:SER:H	1:362:A:LYS:HA	11	0.66
(1,3122)	1:354:A:ILE:HD11	1:342:A:TYR:HA	8	0.66
(1,3122)	1:354:A:ILE:HD13	1:342:A:TYR:HA	14	0.66
(1,3122)	1:354:A:ILE:HD11	1:342:A:TYR:HA	20	0.66
(1,3118)	1:354:A:ILE:HG22	1:355:A:ARG:HB3	17	0.66
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD13	9	0.66
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	18	0.66
(1,3090)	1:345:A:LEU:HD11	1:355:A:ARG:HB2	1	0.66
(1,3090)	1:345:A:LEU:HD11	1:355:A:ARG:HB2	2	0.66
(1,3071)	1:341:A:VAL:HG23	1:345:A:LEU:H	17	0.66
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	7	0.66
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	13	0.66
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	3	0.66
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	12	0.66
(1,3055)	1:338:A:TRP:HZ2	1:339:A:ASP:HB3	3	0.66
(1,3055)	1:338:A:TRP:HZ2	1:339:A:ASP:HB3	11	0.66
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	1	0.66
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	17	0.66
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	6	0.66
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB1	5	0.66
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG21	18	0.66
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB2	2	0.66
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB3	15	0.66
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB2	18	0.66
(1,2863)	1:354:A:ILE:HG21	1:367:A:VAL:H	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	9	0.66
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	11	0.66
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD12	3	0.66
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	4	0.66
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	15	0.66
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	13	0.66
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	16	0.66
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	6	0.66
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	19	0.66
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	1	0.66
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	2	0.66
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	5	0.66
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	9	0.66
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	10	0.66
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	12	0.66
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	13	0.66
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	14	0.66
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	15	0.66
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	19	0.66
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD21	20	0.66
(1,2234)	1:372:A:LEU:HD13	1:366:A:ILE:HD12	2	0.66
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD21	6	0.66
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD21	16	0.66
(1,2226)	1:341:A:VAL:HG13	1:366:A:ILE:HD13	4	0.66
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD13	7	0.66
(1,2221)	1:344:A:LEU:HD21	1:354:A:ILE:HG22	5	0.66
(1,2221)	1:344:A:LEU:HD22	1:354:A:ILE:HG23	13	0.66
(1,2221)	1:344:A:LEU:HD23	1:354:A:ILE:HG23	17	0.66
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD11	3	0.66
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	1	0.66
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	6	0.66
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	12	0.66
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	14	0.66
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	16	0.66
(1,1878)	1:418:A:THR:HG23	1:415:A:PHE:HB2	11	0.66
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD13	3	0.66
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD12	8	0.66
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD23	13	0.66
(1,1764)	1:412:A:LEU:HD23	1:410:A:ARG:HE	8	0.66
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	5	0.66
(1,1605)	1:405:A:LYS:HG3	1:398:A:TYR:HE1	8	0.66
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG21	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG22	12	0.66
(1,1523)	1:402:A:ILE:HD12	1:397:A:TYR:HB2	12	0.66
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	2	0.66
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	6	0.66
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	16	0.66
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	19	0.66
(1,1374)	1:392:A:ARG:H	1:392:A:ARG:HB2	5	0.66
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	13	0.66
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD23	8	0.66
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD22	14	0.66
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	9	0.66
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	10	0.66
(1,994)	1:367:A:VAL:HG11	1:368:A:ASP:HB3	12	0.66
(1,994)	1:367:A:VAL:HG12	1:368:A:ASP:HB3	16	0.66
(1,994)	1:367:A:VAL:HG11	1:368:A:ASP:HB3	19	0.66
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	3	0.66
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	5	0.66
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD13	20	0.66
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	16	0.66
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	5	0.66
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	6	0.66
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	19	0.66
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	20	0.66
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	5	0.66
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD23	7	0.66
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD21	8	0.66
(1,444)	1:341:A:VAL:HG12	1:345:A:LEU:HD22	10	0.66
(1,444)	1:341:A:VAL:HG13	1:345:A:LEU:HD22	16	0.66
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD11	10	0.66
(1,389)	1:337:A:LEU:HD23	1:393:A:ALA:HB2	8	0.66
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	3	0.66
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD11	18	0.66
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	13	0.66
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	2	0.66
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	6	0.66
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	13	0.66
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD13	2	0.65
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	7	0.65
(1,3591)	1:394:A:LEU:HD21	1:413:A:PHE:HE2	9	0.65
(1,3591)	1:394:A:LEU:HD22	1:413:A:PHE:HE2	13	0.65
(1,3591)	1:394:A:LEU:HD22	1:413:A:PHE:HE2	16	0.65
(1,3591)	1:394:A:LEU:HD22	1:413:A:PHE:HE2	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3571)	1:336:A:LEU:HD21	1:376:A:TRP:HZ2	2	0.65
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	10	0.65
(1,3512)	1:427:A:THR:HG21	1:430:A:LEU:H	15	0.65
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	16	0.65
(1,3503)	1:417:A:LYS:HE2	1:418:A:THR:H	3	0.65
(1,3503)	1:362:A:LYS:HE2	1:418:A:THR:H	9	0.65
(1,3473)	1:342:A:TYR:HB3	1:415:A:PHE:HZ	9	0.65
(1,3445)	1:411:A:LEU:HD22	1:369:A:PRO:HD3	7	0.65
(1,3400)	1:403:A:ILE:HD11	1:416:A:MET:H	10	0.65
(1,3392)	1:403:A:ILE:HG21	1:404:A:ARG:HB3	8	0.65
(1,3392)	1:403:A:ILE:HG22	1:404:A:ARG:HB3	18	0.65
(1,3385)	1:401:A:ASN:HB2	1:402:A:ILE:HG13	6	0.65
(1,3369)	1:349:A:ARG:HD3	1:349:A:ARG:HA	3	0.65
(1,3369)	1:349:A:ARG:HD3	1:349:A:ARG:HA	5	0.65
(1,3369)	1:349:A:ARG:HD3	1:349:A:ARG:HA	12	0.65
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE3	19	0.65
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	20	0.65
(1,3292)	1:361:A:SER:H	1:358:A:ASP:HB2	12	0.65
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	4	0.65
(1,3252)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	19	0.65
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG21	17	0.65
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH11	9	0.65
(1,3178)	1:356:A:TRP:HE3	1:359:A:LYS:HD3	15	0.65
(1,3156)	1:356:A:TRP:HE3	1:415:A:PHE:HE2	12	0.65
(1,3124)	1:354:A:ILE:HD13	1:372:A:LEU:HB2	5	0.65
(1,3124)	1:354:A:ILE:HD13	1:372:A:LEU:HB2	9	0.65
(1,3122)	1:354:A:ILE:HD13	1:342:A:TYR:HA	2	0.65
(1,3122)	1:354:A:ILE:HD12	1:342:A:TYR:HA	7	0.65
(1,3118)	1:354:A:ILE:HG21	1:372:A:LEU:HB2	8	0.65
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	1	0.65
(1,3090)	1:345:A:LEU:HD11	1:355:A:ARG:HB2	14	0.65
(1,3090)	1:345:A:LEU:HD11	1:355:A:ARG:HB2	18	0.65
(1,3071)	1:341:A:VAL:HG23	1:345:A:LEU:H	13	0.65
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	18	0.65
(1,3038)	1:337:A:LEU:HD12	1:397:A:TYR:HB2	10	0.65
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	5	0.65
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	16	0.65
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	13	0.65
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	17	0.65
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	11	0.65
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB1	3	0.65
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB3	8	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB3	12	0.65
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB2	19	0.65
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	13	0.65
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	9	0.65
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	14	0.65
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	18	0.65
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	18	0.65
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	8	0.65
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	3	0.65
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	4	0.65
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	6	0.65
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	7	0.65
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	16	0.65
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	17	0.65
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	18	0.65
(1,2300)	1:413:A:PHE:H	1:413:A:PHE:HB3	20	0.65
(1,2250)	1:363:A:ILE:HG21	1:412:A:LEU:HD21	1	0.65
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD22	8	0.65
(1,2226)	1:341:A:VAL:HG12	1:366:A:ILE:HD11	2	0.65
(1,2226)	1:341:A:VAL:HG12	1:366:A:ILE:HD13	3	0.65
(1,2226)	1:341:A:VAL:HG11	1:366:A:ILE:HD12	14	0.65
(1,2221)	1:344:A:LEU:HD21	1:354:A:ILE:HG23	4	0.65
(1,2217)	1:354:A:ILE:HD12	1:366:A:ILE:HD13	4	0.65
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD12	14	0.65
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD12	12	0.65
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	3	0.65
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	11	0.65
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD11	9	0.65
(1,2087)	1:433:A:LEU:HD21	1:434:A:GLU:HG2	8	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	2	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	3	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	4	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	5	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	7	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	8	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	10	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	11	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	13	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	15	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	17	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	18	0.65
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD22	4	0.65
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD13	9	0.65
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD11	10	0.65
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD12	15	0.65
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD13	16	0.65
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	16	0.65
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	7	0.65
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	10	0.65
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	2	0.65
(1,1560)	1:403:A:ILE:HG23	1:397:A:TYR:HB3	20	0.65
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	14	0.65
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	17	0.65
(1,1370)	1:391:A:SER:HB3	1:390:A:MET:HB2	9	0.65
(1,1292)	1:386:A:THR:HG21	1:384:A:ASN:HB3	20	0.65
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG23	14	0.65
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB2	15	0.65
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG3	16	0.65
(1,1105)	1:372:A:LEU:HD23	1:344:A:LEU:HD21	5	0.65
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD22	7	0.65
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD21	16	0.65
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD23	17	0.65
(1,994)	1:367:A:VAL:HG13	1:368:A:ASP:HB3	11	0.65
(1,974)	1:366:A:ILE:HD11	1:365:A:ARG:HA	14	0.65
(1,974)	1:366:A:ILE:HD11	1:365:A:ARG:HA	17	0.65
(1,974)	1:366:A:ILE:HD12	1:365:A:ARG:HA	19	0.65
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD11	19	0.65
(1,544)	1:345:A:LEU:HD21	1:364:A:PHE:HE2	5	0.65
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	2	0.65
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	15	0.65
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	16	0.65
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	20	0.65
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	10	0.65
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	12	0.65
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD12	16	0.65
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	17	0.65
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	6	0.65
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	6	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	1	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	2	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	3	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	4	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	6	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	7	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	8	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	10	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	11	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	12	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	13	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	14	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	15	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	16	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	17	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	18	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	19	0.65
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	20	0.65
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	1	0.65
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	18	0.65
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD11	9	0.64
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	4	0.64
(1,3591)	1:394:A:LEU:HD21	1:413:A:PHE:HE2	3	0.64
(1,3591)	1:394:A:LEU:HD22	1:413:A:PHE:HE2	14	0.64
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	2	0.64
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	10	0.64
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG21	14	0.64
(1,3446)	1:411:A:LEU:HD21	1:405:A:LYS:HE2	12	0.64
(1,3446)	1:411:A:LEU:HD23	1:405:A:LYS:HE2	15	0.64
(1,3400)	1:403:A:ILE:HD11	1:416:A:MET:H	3	0.64
(1,3400)	1:403:A:ILE:HD11	1:416:A:MET:H	6	0.64
(1,3400)	1:403:A:ILE:HD11	1:416:A:MET:H	7	0.64
(1,3373)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	13	0.64
(1,3373)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	15	0.64
(1,3373)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	16	0.64
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	3	0.64
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD22	10	0.64
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG23	5	0.64
(1,3226)	1:370:A:ASN:H	1:366:A:ILE:HG22	9	0.64
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	12	0.64
(1,3177)	1:359:A:LYS:HD2	1:360:A:GLU:HA	15	0.64
(1,3156)	1:356:A:TRP:HE3	1:415:A:PHE:HE2	8	0.64
(1,3124)	1:354:A:ILE:HD11	1:372:A:LEU:HB2	2	0.64
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD12	17	0.64
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD13	20	0.64
(1,3118)	1:354:A:ILE:HG23	1:372:A:LEU:HB2	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	8	0.64
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	2	0.64
(1,3090)	1:345:A:LEU:HD13	1:355:A:ARG:HB3	6	0.64
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	4	0.64
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	5	0.64
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	4	0.64
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	16	0.64
(1,2924)	1:396:A:HIS:HD2	1:400:A:LEU:HB3	14	0.64
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	15	0.64
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD13	13	0.64
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	7	0.64
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	10	0.64
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	20	0.64
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	1	0.64
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	13	0.64
(1,2253)	1:402:A:ILE:HD12	1:422:A:ILE:HD13	4	0.64
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD11	15	0.64
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD22	15	0.64
(1,2221)	1:344:A:LEU:HD23	1:354:A:ILE:HG23	1	0.64
(1,2221)	1:344:A:LEU:HD22	1:354:A:ILE:HG22	2	0.64
(1,2221)	1:344:A:LEU:HD23	1:354:A:ILE:HG22	10	0.64
(1,2221)	1:344:A:LEU:HD22	1:354:A:ILE:HG21	14	0.64
(1,2216)	1:341:A:VAL:HG22	1:345:A:LEU:HD12	5	0.64
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD13	20	0.64
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	2	0.64
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	8	0.64
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	16	0.64
(1,2173)	1:375:A:LEU:HD21	1:353:A:PHE:HZ	1	0.64
(1,2173)	1:375:A:LEU:HD21	1:353:A:PHE:HZ	9	0.64
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD12	7	0.64
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD11	16	0.64
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	9	0.64
(1,2066)	1:431:A:GLU:HB2	1:431:A:GLU:HG2	20	0.64
(1,2016)	1:427:A:THR:HG21	1:430:A:LEU:H	4	0.64
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD21	8	0.64
(1,2013)	1:427:A:THR:HA	1:430:A:LEU:HD21	13	0.64
(1,1966)	1:422:A:ILE:HD11	1:338:A:TRP:HB3	20	0.64
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	3	0.64
(1,1817)	1:415:A:PHE:HD2	1:345:A:LEU:HD23	10	0.64
(1,1798)	1:414:A:ARG:HD2	1:414:A:ARG:HH12	15	0.64
(1,1798)	1:414:A:ARG:HD2	1:414:A:ARG:HH12	16	0.64
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD21	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	6	0.64
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	11	0.64
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	14	0.64
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	19	0.64
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	20	0.64
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	19	0.64
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD22	7	0.64
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD23	11	0.64
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	1	0.64
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	4	0.64
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	5	0.64
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG23	9	0.64
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG22	13	0.64
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	15	0.64
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG23	17	0.64
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	20	0.64
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	8	0.64
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB3	13	0.64
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	15	0.64
(1,1305)	1:388:A:GLU:HB3	1:391:A:SER:HB3	9	0.64
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG22	13	0.64
(1,1118)	1:373:A:ALA:HB2	1:372:A:LEU:H	19	0.64
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD23	10	0.64
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	12	0.64
(1,974)	1:366:A:ILE:HD13	1:365:A:ARG:HA	6	0.64
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG21	14	0.64
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG21	16	0.64
(1,899)	1:363:A:ILE:HD12	1:414:A:ARG:HA	19	0.64
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	8	0.64
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	4	0.64
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD12	2	0.64
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	1	0.64
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	8	0.64
(1,470)	1:344:A:LEU:H	1:343:A:GLN:HB2	13	0.64
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	4	0.64
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	20	0.64
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	17	0.64
(1,202)	1:340:A:TYR:HB3	1:340:A:TYR:HD1	9	0.64
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	12	0.64
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD13	7	0.63
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD12	9	0.63
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD13	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD13	8	0.63
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	1	0.63
(1,3591)	1:394:A:LEU:HD23	1:413:A:PHE:HE2	12	0.63
(1,3555)	1:430:A:LEU:HD12	1:338:A:TRP:HB3	5	0.63
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	18	0.63
(1,3548)	1:418:A:THR:HG22	1:362:A:LYS:HA	18	0.63
(1,3542)	1:422:A:ILE:HD13	1:403:A:ILE:H	10	0.63
(1,3515)	1:427:A:THR:HG22	1:338:A:TRP:HZ3	6	0.63
(1,3515)	1:427:A:THR:HG22	1:338:A:TRP:HZ3	15	0.63
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	4	0.63
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	18	0.63
(1,3504)	1:362:A:LYS:HE2	1:361:A:SER:H	16	0.63
(1,3503)	1:362:A:LYS:HE3	1:418:A:THR:H	15	0.63
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG21	8	0.63
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	8	0.63
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD11	17	0.63
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD11	19	0.63
(1,3446)	1:411:A:LEU:HD23	1:405:A:LYS:HE2	16	0.63
(1,3446)	1:411:A:LEU:HD23	1:405:A:LYS:HE2	20	0.63
(1,3442)	1:411:A:LEU:HD11	1:413:A:PHE:HE1	5	0.63
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	10	0.63
(1,3373)	1:399:A:LYS:HE2	1:400:A:LEU:HG	3	0.63
(1,3369)	1:349:A:ARG:HD3	1:349:A:ARG:HA	4	0.63
(1,3367)	1:374:A:ARG:HA	1:374:A:ARG:HE	6	0.63
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	19	0.63
(1,3281)	1:374:A:ARG:HG2	1:371:A:GLY:HA3	10	0.63
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	15	0.63
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	2	0.63
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	13	0.63
(1,3122)	1:354:A:ILE:HD13	1:342:A:TYR:HA	11	0.63
(1,3118)	1:354:A:ILE:HG21	1:355:A:ARG:HB3	5	0.63
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	15	0.63
(1,3101)	1:350:A:TYR:HE2	1:349:A:ARG:HB3	17	0.63
(1,3071)	1:341:A:VAL:HG22	1:345:A:LEU:H	5	0.63
(1,3071)	1:341:A:VAL:HG21	1:345:A:LEU:H	14	0.63
(1,3071)	1:341:A:VAL:HG23	1:345:A:LEU:H	19	0.63
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	11	0.63
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	1	0.63
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD2	17	0.63
(1,2892)	1:430:A:LEU:HD13	1:431:A:GLU:H	16	0.63
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB2	12	0.63
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG21	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB2	20	0.63
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG21	1	0.63
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG21	3	0.63
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG23	18	0.63
(1,2763)	1:421:A:GLU:H	1:422:A:ILE:HG12	3	0.63
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD11	6	0.63
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD12	16	0.63
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD11	5	0.63
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD13	12	0.63
(1,2250)	1:363:A:ILE:HG23	1:412:A:LEU:HD22	3	0.63
(1,2250)	1:363:A:ILE:HG21	1:412:A:LEU:HD21	14	0.63
(1,2250)	1:363:A:ILE:HG21	1:412:A:LEU:HD21	16	0.63
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD11	14	0.63
(1,2217)	1:354:A:ILE:HD12	1:366:A:ILE:HD11	6	0.63
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD11	9	0.63
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	11	0.63
(1,2155)	1:336:A:LEU:HD12	1:431:A:GLU:HB3	4	0.63
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD13	19	0.63
(1,2065)	1:431:A:GLU:HG2	1:428:A:ASP:HA	7	0.63
(1,2016)	1:427:A:THR:HG21	1:430:A:LEU:H	18	0.63
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD11	2	0.63
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD11	17	0.63
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD12	18	0.63
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	19	0.63
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	17	0.63
(1,1764)	1:412:A:LEU:HD23	1:410:A:ARG:HE	9	0.63
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	8	0.63
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	12	0.63
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	15	0.63
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	18	0.63
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	4	0.63
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	15	0.63
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD21	2	0.63
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD22	14	0.63
(1,1646)	1:406:A:GLU:HG2	1:412:A:LEU:HD21	19	0.63
(1,1636)	1:406:A:GLU:HG3	1:414:A:ARG:H	9	0.63
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG22	3	0.63
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG23	6	0.63
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG22	2	0.63
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG23	10	0.63
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG23	15	0.63
(1,1523)	1:402:A:ILE:HD11	1:397:A:TYR:HB2	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:402:A:ILE:HD11	1:397:A:TYR:HB2	14	0.63
(1,1523)	1:402:A:ILE:HD11	1:397:A:TYR:HB2	18	0.63
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	1	0.63
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	9	0.63
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB3	18	0.63
(1,1374)	1:392:A:ARG:H	1:392:A:ARG:HB2	11	0.63
(1,1368)	1:391:A:SER:HB2	1:390:A:MET:H	1	0.63
(1,1368)	1:391:A:SER:HB2	1:390:A:MET:H	3	0.63
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG21	16	0.63
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB3	10	0.63
(1,1118)	1:373:A:ALA:HB2	1:372:A:LEU:H	7	0.63
(1,1118)	1:373:A:ALA:HB2	1:372:A:LEU:H	13	0.63
(1,1118)	1:373:A:ALA:HB3	1:372:A:LEU:H	14	0.63
(1,1118)	1:373:A:ALA:HB2	1:372:A:LEU:H	20	0.63
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	14	0.63
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	19	0.63
(1,974)	1:366:A:ILE:HD13	1:365:A:ARG:HA	2	0.63
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG22	15	0.63
(1,848)	1:362:A:LYS:HB3	1:415:A:PHE:HD2	11	0.63
(1,658)	1:354:A:ILE:HD12	1:353:A:PHE:HB2	6	0.63
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD13	6	0.63
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD12	10	0.63
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD13	13	0.63
(1,553)	1:346:A:SER:HB2	1:347:A:ASP:HB3	1	0.63
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	3	0.63
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	5	0.63
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD13	20	0.63
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	18	0.63
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	18	0.63
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	6	0.63
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	15	0.63
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	20	0.63
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD12	20	0.63
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD11	4	0.62
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD11	11	0.62
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD12	18	0.62
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD11	20	0.62
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD12	1	0.62
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD12	3	0.62
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	9	0.62
(1,3633)	1:343:A:GLN:HE22	1:335:A:ARG:HD3	12	0.62
(1,3579)	1:432:A:HIS:HB3	1:429:A:ARG:HA	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	8	0.62
(1,3452)	1:412:A:LEU:HD23	1:409:A:GLN:HA	4	0.62
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD11	1	0.62
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD13	15	0.62
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD12	16	0.62
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	7	0.62
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	9	0.62
(1,3376)	1:400:A:LEU:HB2	1:400:A:LEU:HD23	12	0.62
(1,3373)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	14	0.62
(1,3373)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	17	0.62
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	17	0.62
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	7	0.62
(1,3293)	1:382:A:ARG:HG2	1:378:A:ASN:H	2	0.62
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	14	0.62
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	16	0.62
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	2	0.62
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD13	11	0.62
(1,3125)	1:354:A:ILE:HD12	1:372:A:LEU:HD12	16	0.62
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD12	18	0.62
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD11	9	0.62
(1,3118)	1:354:A:ILE:HG23	1:355:A:ARG:HB3	7	0.62
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD12	5	0.62
(1,3071)	1:341:A:VAL:HG23	1:345:A:LEU:H	16	0.62
(1,3071)	1:341:A:VAL:HG23	1:345:A:LEU:H	20	0.62
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG11	1	0.62
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	12	0.62
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG11	16	0.62
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	1	0.62
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD23	7	0.62
(1,3038)	1:337:A:LEU:HD12	1:397:A:TYR:HB2	18	0.62
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	2	0.62
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	12	0.62
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	10	0.62
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	2	0.62
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	3	0.62
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB3	9	0.62
(1,2874)	1:388:A:GLU:H	1:373:A:ALA:HB3	19	0.62
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG23	8	0.62
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	7	0.62
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	11	0.62
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD11	4	0.62
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	16	0.62
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	1	0.62
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	14	0.62
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD12	1	0.62
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD12	6	0.62
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD12	9	0.62
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD11	18	0.62
(1,2221)	1:344:A:LEU:HD23	1:354:A:ILE:HG21	8	0.62
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD13	5	0.62
(1,2220)	1:341:A:VAL:HG11	1:354:A:ILE:HD11	10	0.62
(1,2217)	1:354:A:ILE:HD13	1:366:A:ILE:HD11	5	0.62
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD12	19	0.62
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD12	15	0.62
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	15	0.62
(1,2016)	1:427:A:THR:HG22	1:430:A:LEU:H	20	0.62
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	18	0.62
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	17	0.62
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD12	7	0.62
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	20	0.62
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD23	16	0.62
(1,1764)	1:412:A:LEU:HD23	1:410:A:ARG:HE	15	0.62
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	1	0.62
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	11	0.62
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG22	14	0.62
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG21	5	0.62
(1,1523)	1:402:A:ILE:HD12	1:397:A:TYR:HB2	15	0.62
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	18	0.62
(1,1370)	1:391:A:SER:HB3	1:390:A:MET:HB2	3	0.62
(1,1292)	1:386:A:THR:HG23	1:384:A:ASN:HB3	8	0.62
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG21	12	0.62
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG23	10	0.62
(1,1118)	1:373:A:ALA:HB2	1:372:A:LEU:H	6	0.62
(1,1118)	1:373:A:ALA:HB3	1:372:A:LEU:H	15	0.62
(1,1118)	1:373:A:ALA:HB2	1:372:A:LEU:H	18	0.62
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG3	2	0.62
(1,1105)	1:372:A:LEU:HD22	1:344:A:LEU:HD21	6	0.62
(1,1105)	1:372:A:LEU:HD21	1:344:A:LEU:HD22	20	0.62
(1,994)	1:367:A:VAL:HG12	1:368:A:ASP:HB3	14	0.62
(1,974)	1:366:A:ILE:HD12	1:365:A:ARG:HA	4	0.62
(1,974)	1:366:A:ILE:HD12	1:365:A:ARG:HA	7	0.62
(1,974)	1:366:A:ILE:HD11	1:365:A:ARG:HA	9	0.62
(1,974)	1:366:A:ILE:HD11	1:365:A:ARG:HA	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:357:A:GLU:HB3	1:363:A:ILE:HG22	18	0.62
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG22	8	0.62
(1,805)	1:359:A:LYS:HE3	1:359:A:LYS:HG2	15	0.62
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD13	4	0.62
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD12	14	0.62
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD12	15	0.62
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD12	17	0.62
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD12	18	0.62
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	7	0.62
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	14	0.62
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	19	0.62
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	13	0.62
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	7	0.62
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD21	14	0.62
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	9	0.62
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD12	12	0.62
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	5	0.62
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD13	8	0.62
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	9	0.62
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	3	0.62
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	17	0.62
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	2	0.62
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	13	0.62
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	5	0.62
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	16	0.62
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD12	3	0.61
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD12	12	0.61
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD13	13	0.61
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD12	15	0.61
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD12	16	0.61
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	5	0.61
(1,3591)	1:394:A:LEU:HD22	1:413:A:PHE:HE2	15	0.61
(1,3515)	1:427:A:THR:HG21	1:338:A:TRP:HZ3	20	0.61
(1,3503)	1:362:A:LYS:HE2	1:418:A:THR:H	1	0.61
(1,3500)	1:417:A:LYS:H	1:417:A:LYS:HD3	12	0.61
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	18	0.61
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	19	0.61
(1,3461)	1:414:A:ARG:HA	1:412:A:LEU:HD13	9	0.61
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD12	2	0.61
(1,3446)	1:411:A:LEU:HD21	1:405:A:LYS:HE2	1	0.61
(1,3446)	1:411:A:LEU:HD22	1:405:A:LYS:HE2	17	0.61
(1,3445)	1:411:A:LEU:HD22	1:369:A:PRO:HD3	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3445)	1:411:A:LEU:HD21	1:369:A:PRO:HD3	16	0.61
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD11	4	0.61
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	2	0.61
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	4	0.61
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	16	0.61
(1,3400)	1:403:A:ILE:HD12	1:416:A:MET:H	14	0.61
(1,3381)	1:400:A:LEU:HD11	1:397:A:TYR:HB3	4	0.61
(1,3373)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	1	0.61
(1,3373)	1:399:A:LYS:HE2	1:400:A:LEU:HG	2	0.61
(1,3369)	1:349:A:ARG:HD3	1:349:A:ARG:HA	17	0.61
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	7	0.61
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	1	0.61
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD12	3	0.61
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	18	0.61
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	16	0.61
(1,3125)	1:354:A:ILE:HD12	1:372:A:LEU:HD13	1	0.61
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	5	0.61
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	8	0.61
(1,3071)	1:341:A:VAL:HG23	1:345:A:LEU:H	12	0.61
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	4	0.61
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	20	0.61
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD23	4	0.61
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD23	11	0.61
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	7	0.61
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	8	0.61
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	5	0.61
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	16	0.61
(1,2986)	1:381:A:ASN:HB2	1:382:A:ARG:HA	20	0.61
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	8	0.61
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	11	0.61
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD22	18	0.61
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG22	5	0.61
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG21	9	0.61
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	8	0.61
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	18	0.61
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	1	0.61
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	20	0.61
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	9	0.61
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	15	0.61
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD11	20	0.61
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD13	11	0.61
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	15	0.61
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	10	0.61
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	2	0.61
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	12	0.61
(1,2253)	1:402:A:ILE:HD12	1:422:A:ILE:HD11	8	0.61
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD22	5	0.61
(1,2232)	1:372:A:LEU:HD12	1:375:A:LEU:HD21	19	0.61
(1,2221)	1:344:A:LEU:HD21	1:354:A:ILE:HG23	12	0.61
(1,2221)	1:344:A:LEU:HD21	1:354:A:ILE:HG23	19	0.61
(1,2220)	1:341:A:VAL:HG12	1:354:A:ILE:HD12	6	0.61
(1,2217)	1:354:A:ILE:HD13	1:366:A:ILE:HD12	9	0.61
(1,2216)	1:341:A:VAL:HG21	1:345:A:LEU:HD12	4	0.61
(1,2216)	1:341:A:VAL:HG22	1:345:A:LEU:HD12	7	0.61
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD13	13	0.61
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	4	0.61
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD23	6	0.61
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	3	0.61
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	5	0.61
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	6	0.61
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	8	0.61
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	9	0.61
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	10	0.61
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	14	0.61
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD12	13	0.61
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD11	20	0.61
(1,2016)	1:427:A:THR:HG23	1:430:A:LEU:H	3	0.61
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	2	0.61
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	16	0.61
(1,1878)	1:418:A:THR:HG21	1:415:A:PHE:HB2	16	0.61
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	7	0.61
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	7	0.61
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD21	3	0.61
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD23	6	0.61
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD22	7	0.61
(1,1764)	1:412:A:LEU:HD23	1:410:A:ARG:HE	5	0.61
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	3	0.61
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	10	0.61
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	12	0.61
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	16	0.61
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	17	0.61
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	17	0.61
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	14	0.61
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	2	0.61
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	4	0.61
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	19	0.61
(1,1534)	1:402:A:ILE:H	1:402:A:ILE:HG21	16	0.61
(1,1479)	1:400:A:LEU:HD12	1:399:A:LYS:HE2	17	0.61
(1,1475)	1:399:A:LYS:HA	1:399:A:LYS:HE2	19	0.61
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	5	0.61
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB3	10	0.61
(1,1464)	1:401:A:ASN:H	1:399:A:LYS:HB2	12	0.61
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	4	0.61
(1,1370)	1:391:A:SER:HB3	1:390:A:MET:HB2	18	0.61
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB3	5	0.61
(1,1292)	1:386:A:THR:HG21	1:384:A:ASN:HB3	15	0.61
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG21	4	0.61
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG22	7	0.61
(1,1118)	1:373:A:ALA:HB3	1:372:A:LEU:H	8	0.61
(1,994)	1:367:A:VAL:HG13	1:368:A:ASP:HB3	5	0.61
(1,994)	1:367:A:VAL:HG11	1:368:A:ASP:HB3	6	0.61
(1,974)	1:366:A:ILE:HD12	1:365:A:ARG:HA	1	0.61
(1,974)	1:366:A:ILE:HD13	1:365:A:ARG:HA	5	0.61
(1,974)	1:366:A:ILE:HD12	1:365:A:ARG:HA	10	0.61
(1,974)	1:366:A:ILE:HD12	1:365:A:ARG:HA	16	0.61
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG22	10	0.61
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	18	0.61
(1,848)	1:362:A:LYS:HB3	1:415:A:PHE:HD2	20	0.61
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD11	5	0.61
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD11	7	0.61
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD13	8	0.61
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD13	16	0.61
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	20	0.61
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	4	0.61
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	18	0.61
(1,444)	1:341:A:VAL:HG13	1:345:A:LEU:HD21	1	0.61
(1,444)	1:341:A:VAL:HG12	1:345:A:LEU:HD21	3	0.61
(1,444)	1:341:A:VAL:HG13	1:345:A:LEU:HD22	4	0.61
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD23	11	0.61
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD13	5	0.61
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD13	8	0.61
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	1	0.61
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD12	10	0.61
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD11	14	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD12	15	0.61
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD12	18	0.61
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	12	0.61
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	15	0.61
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	14	0.61
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	2	0.61
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	1	0.61
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	13	0.61
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	20	0.61
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD13	3	0.61
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD13	12	0.61
(1,107)	1:396:A:HIS:HB2	1:400:A:LEU:HD13	18	0.61
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	14	0.6
(1,3591)	1:394:A:LEU:HD21	1:413:A:PHE:HE2	18	0.6
(1,3542)	1:422:A:ILE:HD13	1:403:A:ILE:H	2	0.6
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG22	19	0.6
(1,3515)	1:427:A:THR:HG22	1:338:A:TRP:HZ3	2	0.6
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	3	0.6
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	6	0.6
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	1	0.6
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	12	0.6
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG22	9	0.6
(1,3452)	1:412:A:LEU:HD23	1:409:A:GLN:HA	9	0.6
(1,3446)	1:411:A:LEU:HD21	1:405:A:LYS:HE2	6	0.6
(1,3445)	1:411:A:LEU:HD21	1:369:A:PRO:HD3	20	0.6
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD13	11	0.6
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	8	0.6
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	5	0.6
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	11	0.6
(1,3369)	1:349:A:ARG:HD3	1:349:A:ARG:HA	16	0.6
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	16	0.6
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	9	0.6
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	6	0.6
(1,3252)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	7	0.6
(1,3235)	1:367:A:VAL:HG23	1:352:A:ASN:HA	1	0.6
(1,3189)	1:362:A:LYS:HG2	1:415:A:PHE:HD2	12	0.6
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD11	3	0.6
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD11	17	0.6
(1,3124)	1:354:A:ILE:HD12	1:372:A:LEU:HB2	4	0.6
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD11	5	0.6
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	11	0.6
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	13	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB3	6	0.6
(1,3101)	1:350:A:TYR:HE1	1:349:A:ARG:HB3	6	0.6
(1,3090)	1:345:A:LEU:HD11	1:355:A:ARG:HB2	16	0.6
(1,3071)	1:341:A:VAL:HG23	1:345:A:LEU:H	18	0.6
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	16	0.6
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	9	0.6
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	11	0.6
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	10	0.6
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD21	2	0.6
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG23	4	0.6
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB3	3	0.6
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG11	11	0.6
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	7	0.6
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	11	0.6
(1,2349)	1:345:A:LEU:H	1:344:A:LEU:HB3	4	0.6
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD21	11	0.6
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD13	10	0.6
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD12	13	0.6
(1,2232)	1:372:A:LEU:HD12	1:375:A:LEU:HD23	4	0.6
(1,2216)	1:341:A:VAL:HG21	1:345:A:LEU:HD11	8	0.6
(1,2216)	1:341:A:VAL:HG21	1:345:A:LEU:HD13	14	0.6
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD13	18	0.6
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	12	0.6
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	17	0.6
(1,2173)	1:375:A:LEU:HD22	1:353:A:PHE:HZ	19	0.6
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD13	18	0.6
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD12	20	0.6
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	18	0.6
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	19	0.6
(1,2110)	1:434:A:GLU:HG3	1:393:A:ALA:HB3	18	0.6
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD12	1	0.6
(1,1878)	1:418:A:THR:HG21	1:415:A:PHE:HB2	4	0.6
(1,1878)	1:418:A:THR:HG21	1:415:A:PHE:HB2	20	0.6
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD11	4	0.6
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	6	0.6
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	16	0.6
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD23	1	0.6
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD23	9	0.6
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD23	20	0.6
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	4	0.6
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	6	0.6
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	2	0.6
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG22	16	0.6
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	19	0.6
(1,1479)	1:400:A:LEU:HD12	1:399:A:LYS:HE2	14	0.6
(1,1479)	1:400:A:LEU:HD13	1:399:A:LYS:HE2	16	0.6
(1,1378)	1:392:A:ARG:HA	1:392:A:ARG:HD2	10	0.6
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	16	0.6
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	14	0.6
(1,1368)	1:391:A:SER:HB2	1:390:A:MET:H	9	0.6
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB2	20	0.6
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG23	6	0.6
(1,1204)	1:394:A:LEU:HD23	1:394:A:LEU:HB2	12	0.6
(1,1204)	1:394:A:LEU:HD22	1:394:A:LEU:HB2	20	0.6
(1,1118)	1:373:A:ALA:HB3	1:372:A:LEU:H	5	0.6
(1,1118)	1:373:A:ALA:HB3	1:372:A:LEU:H	11	0.6
(1,1075)	1:371:A:GLY:HA3	1:353:A:PHE:HD2	16	0.6
(1,974)	1:366:A:ILE:HD13	1:365:A:ARG:HA	13	0.6
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG23	12	0.6
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	8	0.6
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD13	1	0.6
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	5	0.6
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	6	0.6
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	8	0.6
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	1	0.6
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD11	18	0.6
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	2	0.6
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	6	0.6
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD11	7	0.6
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	19	0.6
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD13	6	0.6
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	16	0.6
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	11	0.6
(1,317)	1:398:A:TYR:HE2	1:394:A:LEU:HA	4	0.6
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	18	0.6
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	20	0.6
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	18	0.6
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	10	0.6
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	11	0.6
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	5	0.6
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	6	0.6
(1,3548)	1:418:A:THR:HG22	1:362:A:LYS:HA	2	0.59
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE2	20	0.59
(1,3505)	1:417:A:LYS:HE2	1:417:A:LYS:HA	7	0.59
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	1	0.59
(1,3479)	1:415:A:PHE:HE2	1:415:A:PHE:HA	17	0.59
(1,3467)	1:414:A:ARG:HB2	1:414:A:ARG:HD2	19	0.59
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	19	0.59
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD13	11	0.59
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD13	13	0.59
(1,3445)	1:411:A:LEU:HD21	1:369:A:PRO:HD3	15	0.59
(1,3442)	1:411:A:LEU:HD12	1:413:A:PHE:HE1	2	0.59
(1,3373)	1:399:A:LYS:HE2	1:400:A:LEU:HG	4	0.59
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG21	9	0.59
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	15	0.59
(1,3335)	1:392:A:ARG:HB3	1:392:A:ARG:HD2	14	0.59
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	17	0.59
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	19	0.59
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	17	0.59
(1,3281)	1:335:A:ARG:HG3	1:340:A:TYR:HA	19	0.59
(1,3207)	1:357:A:GLU:HG3	1:363:A:ILE:HG23	4	0.59
(1,3187)	1:362:A:LYS:HB2	1:361:A:SER:H	17	0.59
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	9	0.59
(1,3125)	1:354:A:ILE:HD12	1:372:A:LEU:HD11	4	0.59
(1,3125)	1:354:A:ILE:HD13	1:372:A:LEU:HD13	9	0.59
(1,3122)	1:354:A:ILE:HD13	1:342:A:TYR:HA	15	0.59
(1,3121)	1:354:A:ILE:HD11	1:344:A:LEU:H	8	0.59
(1,3121)	1:354:A:ILE:HD13	1:344:A:LEU:H	15	0.59
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	2	0.59
(1,3090)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	3	0.59
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	9	0.59
(1,3071)	1:341:A:VAL:HG22	1:345:A:LEU:H	11	0.59
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD22	3	0.59
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	1	0.59
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	19	0.59
(1,2892)	1:430:A:LEU:HD13	1:431:A:GLU:H	5	0.59
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG21	3	0.59
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG21	8	0.59
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG22	11	0.59
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB3	5	0.59
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD23	4	0.59
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG13	20	0.59
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	17	0.59
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD12	8	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	11	0.59
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	15	0.59
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	2	0.59
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	9	0.59
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	3	0.59
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	5	0.59
(1,2261)	1:336:A:LEU:HD13	1:430:A:LEU:HD22	7	0.59
(1,2253)	1:402:A:ILE:HD12	1:422:A:ILE:HD11	7	0.59
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD12	11	0.59
(1,2220)	1:341:A:VAL:HG12	1:354:A:ILE:HD12	4	0.59
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD13	12	0.59
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD12	17	0.59
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD11	17	0.59
(1,2179)	1:426:A:ARG:HD2	1:426:A:ARG:HB2	14	0.59
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	2	0.59
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	17	0.59
(1,2159)	1:336:A:LEU:HD21	1:339:A:ASP:HB2	18	0.59
(1,2155)	1:336:A:LEU:HD12	1:431:A:GLU:HB2	7	0.59
(1,2149)	1:397:A:TYR:HE2	1:336:A:LEU:HD11	17	0.59
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	1	0.59
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD11	12	0.59
(1,2016)	1:427:A:THR:HG23	1:430:A:LEU:H	6	0.59
(1,2016)	1:427:A:THR:HG22	1:430:A:LEU:H	7	0.59
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	9	0.59
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	8	0.59
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	4	0.59
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	11	0.59
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD13	1	0.59
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	5	0.59
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	13	0.59
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	2	0.59
(1,1798)	1:414:A:ARG:HD2	1:414:A:ARG:HH12	7	0.59
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD23	4	0.59
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD21	11	0.59
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD21	13	0.59
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	9	0.59
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	11	0.59
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	13	0.59
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	15	0.59
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	19	0.59
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	5	0.59
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG23	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:403:A:ILE:H	1:403:A:ILE:HG21	10	0.59
(1,1523)	1:402:A:ILE:HD11	1:397:A:TYR:HB2	1	0.59
(1,1523)	1:402:A:ILE:HD13	1:397:A:TYR:HB2	8	0.59
(1,1523)	1:402:A:ILE:HD12	1:397:A:TYR:HB2	9	0.59
(1,1523)	1:402:A:ILE:HD11	1:397:A:TYR:HB2	13	0.59
(1,1523)	1:402:A:ILE:HD12	1:397:A:TYR:HB2	17	0.59
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	13	0.59
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	19	0.59
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	7	0.59
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	17	0.59
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	2	0.59
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	7	0.59
(1,1370)	1:391:A:SER:HB3	1:390:A:MET:HB2	11	0.59
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	7	0.59
(1,1292)	1:386:A:THR:HG23	1:384:A:ASN:HB3	17	0.59
(1,1292)	1:386:A:THR:HG22	1:384:A:ASN:HB3	19	0.59
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG23	7	0.59
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG22	16	0.59
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG22	6	0.59
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	12	0.59
(1,1204)	1:394:A:LEU:HD21	1:394:A:LEU:HB2	10	0.59
(1,1204)	1:394:A:LEU:HD22	1:394:A:LEU:HB2	15	0.59
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB2	3	0.59
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB1	18	0.59
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG3	13	0.59
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG23	3	0.59
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	1	0.59
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	13	0.59
(1,854)	1:362:A:LYS:H	1:362:A:LYS:HG3	1	0.59
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	18	0.59
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD11	9	0.59
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD12	11	0.59
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	10	0.59
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD23	5	0.59
(1,444)	1:341:A:VAL:HG13	1:345:A:LEU:HD23	6	0.59
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD23	19	0.59
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD23	20	0.59
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD13	3	0.59
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	9	0.59
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	17	0.59
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD11	20	0.59
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD11	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	3	0.59
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	2	0.59
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	17	0.59
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	9	0.59
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	4	0.59
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD12	1	0.58
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	16	0.58
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD13	2	0.58
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD13	13	0.58
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD12	19	0.58
(1,3555)	1:430:A:LEU:HD13	1:338:A:TRP:HB3	1	0.58
(1,3548)	1:418:A:THR:HG21	1:362:A:LYS:HA	3	0.58
(1,3515)	1:427:A:THR:HG22	1:338:A:TRP:HZ3	13	0.58
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	13	0.58
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	11	0.58
(1,3446)	1:411:A:LEU:HD21	1:405:A:LYS:HE2	13	0.58
(1,3446)	1:411:A:LEU:HD22	1:405:A:LYS:HE2	18	0.58
(1,3434)	1:355:A:ARG:HD3	1:357:A:GLU:HG2	20	0.58
(1,3400)	1:403:A:ILE:HD13	1:416:A:MET:H	8	0.58
(1,3400)	1:403:A:ILE:HD13	1:416:A:MET:H	18	0.58
(1,3373)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	6	0.58
(1,3335)	1:392:A:ARG:HB3	1:392:A:ARG:HD2	7	0.58
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	5	0.58
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	19	0.58
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	14	0.58
(1,3281)	1:335:A:ARG:HG3	1:340:A:TYR:HA	17	0.58
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	14	0.58
(1,3235)	1:367:A:VAL:HG22	1:352:A:ASN:HA	9	0.58
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	12	0.58
(1,3189)	1:362:A:LYS:HG2	1:415:A:PHE:HD1	1	0.58
(1,3183)	1:361:A:SER:HB3	1:363:A:ILE:HG12	7	0.58
(1,3125)	1:354:A:ILE:HD13	1:372:A:LEU:HD13	7	0.58
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD12	14	0.58
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD12	15	0.58
(1,3121)	1:354:A:ILE:HD13	1:344:A:LEU:H	12	0.58
(1,3121)	1:354:A:ILE:HD13	1:344:A:LEU:H	14	0.58
(1,3118)	1:354:A:ILE:HG21	1:372:A:LEU:HB2	11	0.58
(1,3114)	1:337:A:LEU:HB2	1:393:A:ALA:H	10	0.58
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB3	7	0.58
(1,3090)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	8	0.58
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	7	0.58
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	15	0.58
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	16	0.58
(1,3071)	1:341:A:VAL:HG22	1:345:A:LEU:H	2	0.58
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	7	0.58
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	19	0.58
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	19	0.58
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	9	0.58
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	14	0.58
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	15	0.58
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD22	10	0.58
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG22	10	0.58
(1,2868)	1:375:A:LEU:H	1:373:A:ALA:HB3	11	0.58
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD21	3	0.58
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD21	11	0.58
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG11	7	0.58
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG13	8	0.58
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG12	9	0.58
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD12	1	0.58
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD13	18	0.58
(1,2711)	1:410:A:ARG:H	1:410:A:ARG:HG2	15	0.58
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD13	3	0.58
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	6	0.58
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	8	0.58
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	12	0.58
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	11	0.58
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	16	0.58
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	18	0.58
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	15	0.58
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	5	0.58
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	12	0.58
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	20	0.58
(1,2261)	1:336:A:LEU:HD11	1:430:A:LEU:HD23	17	0.58
(1,2253)	1:402:A:ILE:HD11	1:422:A:ILE:HD13	17	0.58
(1,2250)	1:363:A:ILE:HG23	1:412:A:LEU:HD22	4	0.58
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD21	12	0.58
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD12	8	0.58
(1,2220)	1:341:A:VAL:HG12	1:354:A:ILE:HD12	16	0.58
(1,2217)	1:354:A:ILE:HD12	1:366:A:ILE:HD13	1	0.58
(1,2217)	1:354:A:ILE:HD12	1:366:A:ILE:HD11	13	0.58
(1,2217)	1:354:A:ILE:HD13	1:366:A:ILE:HD13	19	0.58
(1,2216)	1:341:A:VAL:HG22	1:345:A:LEU:HD13	1	0.58
(1,2173)	1:375:A:LEU:HD22	1:353:A:PHE:HZ	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	18	0.58
(1,2113)	1:435:A:SER:HB2	1:435:A:SER:HA	7	0.58
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD11	2	0.58
(1,2087)	1:433:A:LEU:HD23	1:434:A:GLU:HG2	15	0.58
(1,2016)	1:427:A:THR:HG23	1:430:A:LEU:H	8	0.58
(1,2016)	1:427:A:THR:HG23	1:430:A:LEU:H	12	0.58
(1,1980)	1:423:A:MET:HB3	1:422:A:ILE:HG21	20	0.58
(1,1865)	1:417:A:LYS:HD2	1:417:A:LYS:HE2	20	0.58
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	18	0.58
(1,1798)	1:414:A:ARG:HD2	1:414:A:ARG:HH12	13	0.58
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD21	10	0.58
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	14	0.58
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	18	0.58
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	19	0.58
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	16	0.58
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	9	0.58
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	14	0.58
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG22	5	0.58
(1,1523)	1:402:A:ILE:HD11	1:397:A:TYR:HB2	20	0.58
(1,1479)	1:400:A:LEU:HD11	1:399:A:LYS:HE2	6	0.58
(1,1478)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	10	0.58
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	6	0.58
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	10	0.58
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	12	0.58
(1,1374)	1:392:A:ARG:H	1:392:A:ARG:HB2	9	0.58
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	15	0.58
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	16	0.58
(1,1292)	1:386:A:THR:HG22	1:384:A:ASN:HB3	13	0.58
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG21	2	0.58
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG23	17	0.58
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG23	2	0.58
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG23	12	0.58
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG21	13	0.58
(1,1204)	1:394:A:LEU:HD23	1:394:A:LEU:HB2	1	0.58
(1,1204)	1:394:A:LEU:HD23	1:394:A:LEU:HB2	5	0.58
(1,1204)	1:394:A:LEU:HD23	1:394:A:LEU:HB2	6	0.58
(1,1204)	1:394:A:LEU:HD23	1:394:A:LEU:HB2	7	0.58
(1,1204)	1:394:A:LEU:HD21	1:394:A:LEU:HB2	9	0.58
(1,1204)	1:394:A:LEU:HD21	1:394:A:LEU:HB2	11	0.58
(1,1204)	1:394:A:LEU:HD22	1:394:A:LEU:HB2	16	0.58
(1,1204)	1:394:A:LEU:HD22	1:394:A:LEU:HB2	17	0.58
(1,1204)	1:394:A:LEU:HD21	1:394:A:LEU:HB2	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1204)	1:394:A:LEU:HD21	1:394:A:LEU:HB2	19	0.58
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB2	5	0.58
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	17	0.58
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	4	0.58
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	9	0.58
(1,994)	1:367:A:VAL:HG13	1:368:A:ASP:HB3	13	0.58
(1,974)	1:366:A:ILE:HD12	1:365:A:ARG:HA	11	0.58
(1,974)	1:366:A:ILE:HD11	1:365:A:ARG:HA	18	0.58
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG22	5	0.58
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG22	12	0.58
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG22	13	0.58
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	19	0.58
(1,854)	1:362:A:LYS:H	1:362:A:LYS:HG3	9	0.58
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	14	0.58
(1,805)	1:359:A:LYS:HE3	1:359:A:LYS:HG2	17	0.58
(1,658)	1:354:A:ILE:HD12	1:353:A:PHE:HB2	13	0.58
(1,544)	1:345:A:LEU:HD23	1:364:A:PHE:HE2	10	0.58
(1,481)	1:344:A:LEU:HA	1:343:A:GLN:HB2	13	0.58
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	16	0.58
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	19	0.58
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	20	0.58
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	8	0.58
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	4	0.58
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	3	0.58
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	5	0.58
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	9	0.58
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	13	0.58
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	3	0.58
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	19	0.58
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	8	0.58
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	11	0.58
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	10	0.58
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	11	0.58
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD12	11	0.57
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD11	17	0.57
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	5	0.57
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	8	0.57
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD11	18	0.57
(1,3548)	1:418:A:THR:HG23	1:362:A:LYS:HA	12	0.57
(1,3515)	1:427:A:THR:HG21	1:338:A:TRP:HZ3	7	0.57
(1,3515)	1:427:A:THR:HG23	1:338:A:TRP:HZ3	16	0.57
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3504)	1:362:A:LYS:HE2	1:415:A:PHE:HD2	19	0.57
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG23	5	0.57
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG22	6	0.57
(1,3461)	1:414:A:ARG:HA	1:412:A:LEU:HD11	5	0.57
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	10	0.57
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD11	7	0.57
(1,3446)	1:411:A:LEU:HD23	1:405:A:LYS:HE2	3	0.57
(1,3446)	1:411:A:LEU:HD22	1:405:A:LYS:HE2	10	0.57
(1,3445)	1:411:A:LEU:HD22	1:369:A:PRO:HD3	19	0.57
(1,3442)	1:411:A:LEU:HD12	1:413:A:PHE:HE1	18	0.57
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD11	20	0.57
(1,3425)	1:429:A:ARG:HG3	1:429:A:ARG:HA	17	0.57
(1,3400)	1:403:A:ILE:HD12	1:416:A:MET:H	5	0.57
(1,3400)	1:403:A:ILE:HD13	1:416:A:MET:H	12	0.57
(1,3373)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	10	0.57
(1,3369)	1:349:A:ARG:HD3	1:349:A:ARG:HA	13	0.57
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	2	0.57
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	4	0.57
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	6	0.57
(1,3293)	1:382:A:ARG:HG2	1:378:A:ASN:H	12	0.57
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD12	17	0.57
(1,3235)	1:367:A:VAL:HG21	1:352:A:ASN:HA	10	0.57
(1,3235)	1:367:A:VAL:HG22	1:351:A:GLU:HA	12	0.57
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	8	0.57
(1,3202)	1:363:A:ILE:HD13	1:414:A:ARG:HH21	3	0.57
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	16	0.57
(1,3178)	1:356:A:TRP:HE3	1:359:A:LYS:HD3	17	0.57
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	19	0.57
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	1	0.57
(1,3121)	1:354:A:ILE:HD11	1:344:A:LEU:H	6	0.57
(1,3121)	1:354:A:ILE:HD13	1:344:A:LEU:H	17	0.57
(1,3120)	1:413:A:PHE:HE1	1:354:A:ILE:HD12	11	0.57
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	9	0.57
(1,3090)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	15	0.57
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	3	0.57
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	8	0.57
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	19	0.57
(1,3071)	1:341:A:VAL:HG21	1:345:A:LEU:H	4	0.57
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	2	0.57
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	14	0.57
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD13	17	0.57
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD21	13	0.57
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD21	7	0.57
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD23	9	0.57
(1,2861)	1:366:A:ILE:HG21	1:366:A:ILE:H	17	0.57
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG12	17	0.57
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG11	18	0.57
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	2	0.57
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	4	0.57
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	2	0.57
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	3	0.57
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	16	0.57
(1,2749)	1:418:A:THR:H	1:417:A:LYS:HB2	14	0.57
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD11	9	0.57
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD13	10	0.57
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD13	16	0.57
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	13	0.57
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	20	0.57
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	11	0.57
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	15	0.57
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	6	0.57
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	14	0.57
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	14	0.57
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD12	19	0.57
(1,2250)	1:363:A:ILE:HG23	1:412:A:LEU:HD22	11	0.57
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD12	1	0.57
(1,2221)	1:344:A:LEU:HD23	1:354:A:ILE:HG21	9	0.57
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD13	7	0.57
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD12	13	0.57
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD11	15	0.57
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD12	20	0.57
(1,2217)	1:354:A:ILE:HD12	1:366:A:ILE:HD13	16	0.57
(1,2207)	1:429:A:ARG:HA	1:433:A:LEU:HD23	3	0.57
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	3	0.57
(1,2155)	1:336:A:LEU:HD13	1:431:A:GLU:HB2	19	0.57
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	13	0.57
(1,1966)	1:422:A:ILE:HD12	1:338:A:TRP:HB3	6	0.57
(1,1966)	1:422:A:ILE:HD13	1:338:A:TRP:HB3	10	0.57
(1,1865)	1:417:A:LYS:HD2	1:417:A:LYS:HE2	3	0.57
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	14	0.57
(1,1850)	1:417:A:LYS:H	1:417:A:LYS:HG2	19	0.57
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD22	12	0.57
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD22	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD23	15	0.57
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD21	18	0.57
(1,1764)	1:412:A:LEU:HD21	1:410:A:ARG:HE	18	0.57
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	7	0.57
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	7	0.57
(1,1523)	1:402:A:ILE:HD11	1:397:A:TYR:HB2	2	0.57
(1,1479)	1:400:A:LEU:HD13	1:399:A:LYS:HE2	1	0.57
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	2	0.57
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	3	0.57
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	20	0.57
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	1	0.57
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	4	0.57
(1,1305)	1:388:A:GLU:HB3	1:391:A:SER:HB3	18	0.57
(1,1292)	1:386:A:THR:HG21	1:384:A:ASN:HB3	10	0.57
(1,1204)	1:394:A:LEU:HD21	1:394:A:LEU:HB2	2	0.57
(1,1204)	1:394:A:LEU:HD21	1:394:A:LEU:HB2	3	0.57
(1,1204)	1:394:A:LEU:HD22	1:394:A:LEU:HB2	4	0.57
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB2	8	0.57
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	15	0.57
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	20	0.57
(1,974)	1:366:A:ILE:HD11	1:365:A:ARG:HA	20	0.57
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG21	2	0.57
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG22	20	0.57
(1,854)	1:362:A:LYS:H	1:362:A:LYS:HG3	14	0.57
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	14	0.57
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG12	12	0.57
(1,544)	1:345:A:LEU:HD23	1:364:A:PHE:HE2	16	0.57
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	15	0.57
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG11	2	0.57
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	7	0.57
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD13	11	0.57
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD11	5	0.57
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	15	0.57
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	16	0.57
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	17	0.57
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	5	0.57
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	17	0.57
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	3	0.57
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	7	0.57
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	9	0.57
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	12	0.57
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	19	0.56
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD13	5	0.56
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD12	7	0.56
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD11	15	0.56
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD11	17	0.56
(1,3677)	1:364:A:PHE:H	1:414:A:ARG:HB2	7	0.56
(1,3578)	1:371:A:GLY:H	1:353:A:PHE:HZ	13	0.56
(1,3571)	1:336:A:LEU:HD21	1:376:A:TRP:HZ2	20	0.56
(1,3542)	1:422:A:ILE:HD12	1:403:A:ILE:H	11	0.56
(1,3515)	1:427:A:THR:HG23	1:338:A:TRP:HZ3	4	0.56
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	8	0.56
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	17	0.56
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE3	7	0.56
(1,3503)	1:417:A:LYS:HE2	1:418:A:THR:H	20	0.56
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	18	0.56
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	19	0.56
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	20	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD1	1	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	2	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	3	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	4	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	5	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	6	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	7	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	8	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	9	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	10	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD1	11	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	12	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	13	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	14	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	15	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	16	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD1	17	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	18	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD2	19	0.56
(1,3475)	1:415:A:PHE:HZ	1:415:A:PHE:HD1	20	0.56
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	12	0.56
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	14	0.56
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD11	10	0.56
(1,3445)	1:411:A:LEU:HD23	1:369:A:PRO:HD3	10	0.56
(1,3445)	1:411:A:LEU:HD23	1:369:A:PRO:HD3	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3445)	1:411:A:LEU:HD23	1:369:A:PRO:HD3	14	0.56
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	2	0.56
(1,3369)	1:349:A:ARG:HD3	1:349:A:ARG:HA	14	0.56
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG23	18	0.56
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	9	0.56
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	12	0.56
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	8	0.56
(1,3281)	1:374:A:ARG:HG2	1:371:A:GLY:HA3	1	0.56
(1,3281)	1:374:A:ARG:HG2	1:371:A:GLY:HA3	2	0.56
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD12	19	0.56
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	6	0.56
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	9	0.56
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD13	10	0.56
(1,3122)	1:354:A:ILE:HD13	1:342:A:TYR:HA	10	0.56
(1,3121)	1:354:A:ILE:HD13	1:344:A:LEU:H	3	0.56
(1,3121)	1:354:A:ILE:HD11	1:344:A:LEU:H	4	0.56
(1,3121)	1:354:A:ILE:HD11	1:344:A:LEU:H	13	0.56
(1,3118)	1:354:A:ILE:HG23	1:355:A:ARG:HB3	9	0.56
(1,3109)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	6	0.56
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	16	0.56
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	4	0.56
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	18	0.56
(1,3071)	1:341:A:VAL:HG21	1:345:A:LEU:H	8	0.56
(1,3071)	1:341:A:VAL:HG21	1:345:A:LEU:H	10	0.56
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG12	15	0.56
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	1	0.56
(1,3038)	1:337:A:LEU:HD11	1:397:A:TYR:HB2	16	0.56
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	15	0.56
(1,2953)	1:413:A:PHE:HB3	1:415:A:PHE:HA	15	0.56
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	5	0.56
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD23	6	0.56
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD22	19	0.56
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG22	14	0.56
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG22	15	0.56
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG23	19	0.56
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	11	0.56
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD22	18	0.56
(1,2861)	1:366:A:ILE:HG23	1:366:A:ILE:H	5	0.56
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	7	0.56
(1,2861)	1:366:A:ILE:HG23	1:366:A:ILE:H	11	0.56
(1,2857)	1:412:A:LEU:HD23	1:364:A:PHE:H	12	0.56
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG12	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG12	19	0.56
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG23	10	0.56
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD23	15	0.56
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD23	16	0.56
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD13	7	0.56
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD11	13	0.56
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD12	14	0.56
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD12	19	0.56
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD13	9	0.56
(1,2597)	1:384:A:ASN:HD22	1:383:A:THR:HG23	3	0.56
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	4	0.56
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	9	0.56
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	20	0.56
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	9	0.56
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	8	0.56
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	10	0.56
(1,2232)	1:372:A:LEU:HD12	1:375:A:LEU:HD22	3	0.56
(1,2232)	1:372:A:LEU:HD12	1:375:A:LEU:HD22	5	0.56
(1,2221)	1:344:A:LEU:HD22	1:354:A:ILE:HG21	3	0.56
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD11	11	0.56
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD11	17	0.56
(1,2220)	1:341:A:VAL:HG11	1:354:A:ILE:HD11	18	0.56
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD13	3	0.56
(1,2217)	1:354:A:ILE:HD12	1:366:A:ILE:HD11	8	0.56
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD13	10	0.56
(1,2217)	1:354:A:ILE:HD12	1:366:A:ILE:HD12	20	0.56
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD11	15	0.56
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	1	0.56
(1,2156)	1:336:A:LEU:HD22	1:338:A:TRP:HE1	2	0.56
(1,2155)	1:336:A:LEU:HD13	1:431:A:GLU:HB2	9	0.56
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD12	6	0.56
(1,2016)	1:427:A:THR:HG22	1:430:A:LEU:H	1	0.56
(1,1878)	1:418:A:THR:HG22	1:415:A:PHE:HB2	18	0.56
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	11	0.56
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD21	19	0.56
(1,1523)	1:402:A:ILE:HD11	1:397:A:TYR:HB2	19	0.56
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	9	0.56
(1,1374)	1:392:A:ARG:H	1:392:A:ARG:HB2	12	0.56
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	6	0.56
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	12	0.56
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	14	0.56
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB2	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB2	18	0.56
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG23	11	0.56
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG22	17	0.56
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	16	0.56
(1,1270)	1:384:A:ASN:HB3	1:382:A:ARG:HB2	11	0.56
(1,1226)	1:380:A:LYS:HE2	1:380:A:LYS:HB2	5	0.56
(1,1204)	1:394:A:LEU:HD22	1:394:A:LEU:HB2	8	0.56
(1,1204)	1:394:A:LEU:HD22	1:394:A:LEU:HB2	13	0.56
(1,1204)	1:394:A:LEU:HD22	1:394:A:LEU:HB2	14	0.56
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	11	0.56
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG21	1	0.56
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	20	0.56
(1,834)	1:358:A:ASP:HB2	1:361:A:SER:HB3	3	0.56
(1,820)	1:360:A:GLU:H	1:360:A:GLU:HG2	8	0.56
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	3	0.56
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG12	4	0.56
(1,612)	1:351:A:GLU:HG2	1:352:A:ASN:H	7	0.56
(1,612)	1:351:A:GLU:HG2	1:352:A:ASN:H	9	0.56
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	14	0.56
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	6	0.56
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD21	13	0.56
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	2	0.56
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	10	0.56
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	12	0.56
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	19	0.56
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	2	0.56
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	12	0.56
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	14	0.56
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	20	0.56
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	8	0.56
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	13	0.56
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	14	0.56
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	19	0.56
(1,98)	1:379:A:HIS:HD2	1:380:A:LYS:HD2	8	0.56
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	9	0.55
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	10	0.55
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	20	0.55
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD12	4	0.55
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD11	20	0.55
(1,3548)	1:418:A:THR:HG21	1:362:A:LYS:HA	16	0.55
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	17	0.55
(1,3518)	1:427:A:THR:HG22	1:431:A:GLU:HG3	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3515)	1:427:A:THR:HG22	1:338:A:TRP:HZ3	12	0.55
(1,3503)	1:362:A:LYS:HE3	1:418:A:THR:H	2	0.55
(1,3493)	1:416:A:MET:HG3	1:402:A:ILE:HG23	15	0.55
(1,3489)	1:416:A:MET:HB3	1:404:A:ARG:HD2	13	0.55
(1,3479)	1:415:A:PHE:HE2	1:415:A:PHE:HA	11	0.55
(1,3476)	1:415:A:PHE:HE1	1:403:A:ILE:HG22	17	0.55
(1,3446)	1:411:A:LEU:HD21	1:405:A:LYS:HE2	7	0.55
(1,3446)	1:411:A:LEU:HD22	1:405:A:LYS:HE2	11	0.55
(1,3442)	1:411:A:LEU:HD11	1:413:A:PHE:HE1	15	0.55
(1,3442)	1:411:A:LEU:HD12	1:413:A:PHE:HE1	20	0.55
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD11	2	0.55
(1,3400)	1:403:A:ILE:HD13	1:416:A:MET:H	9	0.55
(1,3400)	1:403:A:ILE:HD12	1:416:A:MET:H	16	0.55
(1,3374)	1:389:A:LYS:HE2	1:384:A:ASN:HD22	19	0.55
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	12	0.55
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	8	0.55
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	11	0.55
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	6	0.55
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB3	6	0.55
(1,3221)	1:392:A:ARG:HD2	1:388:A:GLU:HG3	8	0.55
(1,3219)	1:365:A:ARG:HD2	1:409:A:GLN:HE22	4	0.55
(1,3156)	1:356:A:TRP:HE3	1:415:A:PHE:HE2	15	0.55
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD3	12	0.55
(1,3125)	1:354:A:ILE:HD12	1:372:A:LEU:HD12	13	0.55
(1,3121)	1:354:A:ILE:HD11	1:344:A:LEU:H	16	0.55
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB3	15	0.55
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	5	0.55
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	6	0.55
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	10	0.55
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	11	0.55
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	13	0.55
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	14	0.55
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	17	0.55
(1,3071)	1:341:A:VAL:HG21	1:345:A:LEU:H	6	0.55
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	8	0.55
(1,3055)	1:338:A:TRP:HZ2	1:339:A:ASP:HB3	8	0.55
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	18	0.55
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	18	0.55
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	20	0.55
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	5	0.55
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	15	0.55
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG22	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2892)	1:430:A:LEU:HD12	1:431:A:GLU:H	13	0.55
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD21	17	0.55
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD21	1	0.55
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD21	14	0.55
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	4	0.55
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	10	0.55
(1,2861)	1:366:A:ILE:HG21	1:366:A:ILE:H	15	0.55
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	19	0.55
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	20	0.55
(1,2857)	1:412:A:LEU:HD21	1:364:A:PHE:H	5	0.55
(1,2857)	1:412:A:LEU:HD23	1:364:A:PHE:H	16	0.55
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG12	6	0.55
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	8	0.55
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	12	0.55
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	14	0.55
(1,2729)	1:414:A:ARG:HE	1:363:A:ILE:HG12	13	0.55
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD13	3	0.55
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD12	4	0.55
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD13	6	0.55
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD12	11	0.55
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	13	0.55
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	5	0.55
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	7	0.55
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	18	0.55
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	10	0.55
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	13	0.55
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	8	0.55
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	6	0.55
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	9	0.55
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	15	0.55
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	16	0.55
(1,2260)	1:336:A:LEU:HD13	1:427:A:THR:HG22	13	0.55
(1,2253)	1:402:A:ILE:HD13	1:422:A:ILE:HD13	14	0.55
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD22	18	0.55
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD22	20	0.55
(1,2220)	1:341:A:VAL:HG12	1:354:A:ILE:HD12	1	0.55
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD11	14	0.55
(1,2217)	1:354:A:ILE:HD13	1:366:A:ILE:HD13	7	0.55
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	5	0.55
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	20	0.55
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD11	12	0.55
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD11	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:433:A:LEU:HD23	1:434:A:GLU:HG2	20	0.55
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD23	18	0.55
(1,2016)	1:427:A:THR:HG21	1:430:A:LEU:H	19	0.55
(1,1865)	1:417:A:LYS:HD2	1:417:A:LYS:HE2	12	0.55
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	16	0.55
(1,1764)	1:412:A:LEU:HD21	1:410:A:ARG:HE	19	0.55
(1,1755)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	2	0.55
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	6	0.55
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	11	0.55
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	20	0.55
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	11	0.55
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG22	3	0.55
(1,1523)	1:402:A:ILE:HD13	1:397:A:TYR:HB2	4	0.55
(1,1374)	1:392:A:ARG:H	1:392:A:ARG:HB2	16	0.55
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	17	0.55
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB3	4	0.55
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG21	9	0.55
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG21	14	0.55
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	9	0.55
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	2	0.55
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	3	0.55
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	6	0.55
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	7	0.55
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	9	0.55
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	12	0.55
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	13	0.55
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	14	0.55
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	17	0.55
(1,974)	1:366:A:ILE:HD12	1:365:A:ARG:HA	3	0.55
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG21	9	0.55
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG23	11	0.55
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG23	17	0.55
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	10	0.55
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	15	0.55
(1,665)	1:345:A:LEU:HD22	1:354:A:ILE:HD11	9	0.55
(1,658)	1:354:A:ILE:HD12	1:353:A:PHE:HB2	1	0.55
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD12	3	0.55
(1,544)	1:345:A:LEU:HD22	1:364:A:PHE:HE2	2	0.55
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	11	0.55
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	6	0.55
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD22	13	0.55
(1,444)	1:341:A:VAL:HG12	1:345:A:LEU:HD22	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	4	0.55
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	14	0.55
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	20	0.55
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD12	13	0.55
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD11	16	0.55
(1,353)	1:400:A:LEU:HA	1:402:A:ILE:HD12	10	0.55
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	15	0.55
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	19	0.55
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	10	0.55
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	11	0.55
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	14	0.55
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	14	0.55
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	17	0.55
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	3	0.55
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	12	0.55
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	14	0.55
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	1	0.55
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	3	0.55
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	4	0.55
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	11	0.55
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	13	0.55
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	15	0.55
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	16	0.55
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	18	0.55
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	10	0.55
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	19	0.55
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD13	7	0.54
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD13	6	0.54
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB1	8	0.54
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	13	0.54
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD12	10	0.54
(1,3687)	1:366:A:ILE:H	1:366:A:ILE:HD12	11	0.54
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	7	0.54
(1,3515)	1:427:A:THR:HG21	1:338:A:TRP:HZ3	1	0.54
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD3	18	0.54
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG23	15	0.54
(1,3461)	1:414:A:ARG:HA	1:412:A:LEU:HD13	2	0.54
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	6	0.54
(1,3445)	1:411:A:LEU:HD22	1:369:A:PRO:HD3	1	0.54
(1,3442)	1:411:A:LEU:HD12	1:413:A:PHE:HE1	4	0.54
(1,3442)	1:411:A:LEU:HD11	1:413:A:PHE:HE1	11	0.54
(1,3400)	1:403:A:ILE:HD13	1:416:A:MET:H	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3369)	1:349:A:ARG:HD3	1:349:A:ARG:HA	11	0.54
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	12	0.54
(1,3345)	1:394:A:LEU:HD23	1:403:A:ILE:HD12	10	0.54
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	5	0.54
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	13	0.54
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	10	0.54
(1,3235)	1:367:A:VAL:HG23	1:352:A:ASN:HA	2	0.54
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	3	0.54
(1,3202)	1:363:A:ILE:HD13	1:414:A:ARG:HH11	11	0.54
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	2	0.54
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	14	0.54
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD11	2	0.54
(1,3125)	1:354:A:ILE:HD13	1:372:A:LEU:HD11	19	0.54
(1,3121)	1:354:A:ILE:HD11	1:344:A:LEU:H	1	0.54
(1,3121)	1:354:A:ILE:HD12	1:344:A:LEU:H	7	0.54
(1,3118)	1:354:A:ILE:HG22	1:355:A:ARG:HB3	20	0.54
(1,3115)	1:354:A:ILE:HG22	1:344:A:LEU:H	11	0.54
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB3	10	0.54
(1,3090)	1:345:A:LEU:HD13	1:355:A:ARG:HB2	12	0.54
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	1	0.54
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	2	0.54
(1,3089)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	20	0.54
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	20	0.54
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	2	0.54
(1,3016)	1:413:A:PHE:HD2	1:405:A:LYS:HG3	14	0.54
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	7	0.54
(1,2892)	1:430:A:LEU:HD11	1:431:A:GLU:H	17	0.54
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD23	3	0.54
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD21	7	0.54
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD22	16	0.54
(1,2861)	1:366:A:ILE:HG21	1:366:A:ILE:H	1	0.54
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	16	0.54
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG11	3	0.54
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG11	5	0.54
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG12	12	0.54
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	3	0.54
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	14	0.54
(1,2815)	1:436:A:GLN:HE22	1:435:A:SER:HB3	9	0.54
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD11	12	0.54
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD11	20	0.54
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	1	0.54
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	10	0.54
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	14	0.54
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	16	0.54
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	17	0.54
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	19	0.54
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	20	0.54
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	2	0.54
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	7	0.54
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	10	0.54
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	18	0.54
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	19	0.54
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	15	0.54
(1,2250)	1:363:A:ILE:HG22	1:412:A:LEU:HD22	10	0.54
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD11	13	0.54
(1,2232)	1:372:A:LEU:HD13	1:375:A:LEU:HD21	8	0.54
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD13	9	0.54
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD12	15	0.54
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD12	18	0.54
(1,2207)	1:429:A:ARG:HA	1:433:A:LEU:HD21	2	0.54
(1,2173)	1:375:A:LEU:HD21	1:353:A:PHE:HZ	12	0.54
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	4	0.54
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD22	17	0.54
(1,2087)	1:433:A:LEU:HD21	1:434:A:GLU:HG2	18	0.54
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	4	0.54
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	8	0.54
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	12	0.54
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	7	0.54
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	2	0.54
(1,1991)	1:424:A:SER:HA	1:424:A:SER:HB2	4	0.54
(1,1870)	1:418:A:THR:HB	1:422:A:ILE:HD12	5	0.54
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	4	0.54
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	8	0.54
(1,1850)	1:417:A:LYS:H	1:417:A:LYS:HG2	12	0.54
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	20	0.54
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	3	0.54
(1,1764)	1:412:A:LEU:HD23	1:410:A:ARG:HE	4	0.54
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	3	0.54
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	15	0.54
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	7	0.54
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	10	0.54
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	18	0.54
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG22	16	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:402:A:ILE:HD12	1:397:A:TYR:HB2	3	0.54
(1,1523)	1:402:A:ILE:HD12	1:397:A:TYR:HB2	16	0.54
(1,1479)	1:400:A:LEU:HD11	1:399:A:LYS:HE2	13	0.54
(1,1374)	1:392:A:ARG:H	1:392:A:ARG:HB2	4	0.54
(1,1370)	1:391:A:SER:HB3	1:390:A:MET:HB2	1	0.54
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB2	1	0.54
(1,1292)	1:386:A:THR:HG21	1:384:A:ASN:HB3	12	0.54
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG22	18	0.54
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	1	0.54
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	4	0.54
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	10	0.54
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	16	0.54
(1,1004)	1:367:A:VAL:HG23	1:365:A:ARG:HB3	12	0.54
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	10	0.54
(1,974)	1:366:A:ILE:HD13	1:365:A:ARG:HA	8	0.54
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG23	4	0.54
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG22	6	0.54
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	3	0.54
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	6	0.54
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	8	0.54
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG13	20	0.54
(1,544)	1:345:A:LEU:HD23	1:364:A:PHE:HE2	13	0.54
(1,512)	1:375:A:LEU:HB3	1:344:A:LEU:HD22	11	0.54
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	13	0.54
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	19	0.54
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	20	0.54
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	2	0.54
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	12	0.54
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	13	0.54
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	17	0.54
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	12	0.54
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	14	0.54
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	6	0.54
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	9	0.54
(1,181)	1:413:A:PHE:HB2	1:413:A:PHE:HD2	10	0.54
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	16	0.54
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	1	0.54
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	3	0.54
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	5	0.54
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	15	0.54
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	16	0.54
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	20	0.54
(1,3751)	1:401:A:ASN:H	1:400:A:LEU:HD11	14	0.53
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	15	0.53
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB1	15	0.53
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	13	0.53
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	18	0.53
(1,3593)	1:400:A:LEU:HD23	1:426:A:ARG:HD3	12	0.53
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	14	0.53
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	9	0.53
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	17	0.53
(1,3572)	1:336:A:LEU:HD21	1:338:A:TRP:HD1	6	0.53
(1,3558)	1:430:A:LEU:HD22	1:430:A:LEU:HB2	1	0.53
(1,3558)	1:430:A:LEU:HD22	1:430:A:LEU:HB2	6	0.53
(1,3558)	1:430:A:LEU:HD21	1:430:A:LEU:HB2	9	0.53
(1,3558)	1:430:A:LEU:HD23	1:430:A:LEU:HB2	13	0.53
(1,3558)	1:430:A:LEU:HD21	1:430:A:LEU:HB2	19	0.53
(1,3558)	1:430:A:LEU:HD21	1:430:A:LEU:HB2	20	0.53
(1,3542)	1:422:A:ILE:HD12	1:403:A:ILE:H	16	0.53
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG22	13	0.53
(1,3400)	1:403:A:ILE:HD12	1:416:A:MET:H	2	0.53
(1,3400)	1:403:A:ILE:HD11	1:416:A:MET:H	17	0.53
(1,3381)	1:400:A:LEU:HD11	1:429:A:ARG:HD2	9	0.53
(1,3322)	1:391:A:SER:HB2	1:394:A:LEU:HB2	2	0.53
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	12	0.53
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	11	0.53
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	17	0.53
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	19	0.53
(1,3281)	1:335:A:ARG:HG3	1:340:A:TYR:HA	7	0.53
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD12	2	0.53
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD21	15	0.53
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	11	0.53
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	9	0.53
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	18	0.53
(1,3121)	1:354:A:ILE:HD12	1:344:A:LEU:H	5	0.53
(1,3121)	1:354:A:ILE:HD13	1:344:A:LEU:H	18	0.53
(1,3121)	1:354:A:ILE:HD12	1:344:A:LEU:H	19	0.53
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB3	14	0.53
(1,3090)	1:345:A:LEU:HD13	1:355:A:ARG:HB2	19	0.53
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	14	0.53
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	12	0.53
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	17	0.53
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	9	0.53
(1,3038)	1:337:A:LEU:HD11	1:397:A:TYR:HB2	14	0.53
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	15	0.53
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	18	0.53
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	1	0.53
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD21	14	0.53
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD21	20	0.53
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD21	8	0.53
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD23	13	0.53
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD23	20	0.53
(1,2861)	1:366:A:ILE:HG21	1:366:A:ILE:H	2	0.53
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	3	0.53
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	6	0.53
(1,2861)	1:366:A:ILE:HG23	1:366:A:ILE:H	13	0.53
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	2	0.53
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG23	13	0.53
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG22	16	0.53
(1,2857)	1:412:A:LEU:HD23	1:364:A:PHE:H	6	0.53
(1,2857)	1:412:A:LEU:HD23	1:364:A:PHE:H	20	0.53
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG13	16	0.53
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	1	0.53
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	5	0.53
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	7	0.53
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	16	0.53
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG23	2	0.53
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	16	0.53
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	12	0.53
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	18	0.53
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	6	0.53
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD11	15	0.53
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD12	17	0.53
(1,2699)	1:406:A:GLU:H	1:406:A:GLU:HB3	8	0.53
(1,2611)	1:389:A:LYS:H	1:389:A:LYS:HB3	16	0.53
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	2	0.53
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	12	0.53
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	2	0.53
(1,2508)	1:370:A:ASN:H	1:369:A:PRO:HB3	19	0.53
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	4	0.53
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	7	0.53
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	4	0.53
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	12	0.53
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2260)	1:336:A:LEU:HD11	1:427:A:THR:HG22	2	0.53
(1,2260)	1:336:A:LEU:HD11	1:427:A:THR:HG22	6	0.53
(1,2250)	1:363:A:ILE:HG21	1:412:A:LEU:HD23	2	0.53
(1,2232)	1:372:A:LEU:HD11	1:375:A:LEU:HD21	11	0.53
(1,2220)	1:341:A:VAL:HG11	1:354:A:ILE:HD11	2	0.53
(1,2220)	1:341:A:VAL:HG11	1:354:A:ILE:HD11	3	0.53
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD13	19	0.53
(1,2217)	1:354:A:ILE:HD11	1:366:A:ILE:HD13	11	0.53
(1,2216)	1:341:A:VAL:HG21	1:345:A:LEU:HD12	6	0.53
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	15	0.53
(1,2170)	1:353:A:PHE:H	1:353:A:PHE:HD2	6	0.53
(1,2110)	1:434:A:GLU:HG3	1:393:A:ALA:HB3	15	0.53
(1,2016)	1:427:A:THR:HG23	1:430:A:LEU:H	13	0.53
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	2	0.53
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	3	0.53
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	11	0.53
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	14	0.53
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	16	0.53
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	17	0.53
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	15	0.53
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	1	0.53
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	9	0.53
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	16	0.53
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	17	0.53
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	3	0.53
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	6	0.53
(1,1798)	1:414:A:ARG:HD2	1:414:A:ARG:HH12	9	0.53
(1,1764)	1:412:A:LEU:HD21	1:410:A:ARG:HE	13	0.53
(1,1764)	1:412:A:LEU:HD22	1:410:A:ARG:HE	20	0.53
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	12	0.53
(1,1733)	1:411:A:LEU:HD21	1:366:A:ILE:H	8	0.53
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD21	19	0.53
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	3	0.53
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	13	0.53
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	16	0.53
(1,1523)	1:402:A:ILE:HD12	1:397:A:TYR:HB2	6	0.53
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	8	0.53
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	5	0.53
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	11	0.53
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	15	0.53
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	19	0.53
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	8	0.53
(1,1292)	1:386:A:THR:HG23	1:384:A:ASN:HB3	5	0.53
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG23	3	0.53
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG23	9	0.53
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	6	0.53
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG22	18	0.53
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG21	19	0.53
(1,854)	1:362:A:LYS:H	1:362:A:LYS:HG3	12	0.53
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	3	0.53
(1,658)	1:354:A:ILE:HD11	1:353:A:PHE:HB2	12	0.53
(1,655)	1:355:A:ARG:H	1:354:A:ILE:HD12	12	0.53
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG2	14	0.53
(1,588)	1:349:A:ARG:HG2	1:350:A:TYR:HA	19	0.53
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD21	8	0.53
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	2	0.53
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	4	0.53
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	12	0.53
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	3	0.53
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	5	0.53
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	7	0.53
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	9	0.53
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	10	0.53
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	11	0.53
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	16	0.53
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD12	12	0.53
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	15	0.53
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	16	0.53
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	17	0.53
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	2	0.53
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	11	0.53
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	10	0.53
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	19	0.53
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	4	0.53
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	15	0.53
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	6	0.53
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	8	0.53
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	4	0.52
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	13	0.52
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	6	0.52
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	12	0.52
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	5	0.52
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	9	0.52
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	11	0.52
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	15	0.52
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	17	0.52
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	19	0.52
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	20	0.52
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	17	0.52
(1,3558)	1:430:A:LEU:HD22	1:430:A:LEU:HB2	4	0.52
(1,3548)	1:418:A:THR:HG23	1:362:A:LYS:HA	8	0.52
(1,3515)	1:427:A:THR:HG21	1:338:A:TRP:HZ3	17	0.52
(1,3515)	1:427:A:THR:HG23	1:338:A:TRP:HZ3	18	0.52
(1,3479)	1:415:A:PHE:HE2	1:415:A:PHE:HA	20	0.52
(1,3442)	1:411:A:LEU:HD13	1:413:A:PHE:HE1	3	0.52
(1,3442)	1:411:A:LEU:HD13	1:413:A:PHE:HE1	10	0.52
(1,3373)	1:399:A:LYS:HE2	1:400:A:LEU:HG	7	0.52
(1,3373)	1:399:A:LYS:HE2	1:400:A:LEU:HG	12	0.52
(1,3373)	1:399:A:LYS:HE3	1:400:A:LEU:HG	18	0.52
(1,3369)	1:399:A:LYS:HA	1:399:A:LYS:HE3	18	0.52
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD12	15	0.52
(1,3345)	1:394:A:LEU:HD23	1:403:A:ILE:HD11	18	0.52
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	1	0.52
(1,3330)	1:395:A:ARG:HG3	1:394:A:LEU:H	2	0.52
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	14	0.52
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	16	0.52
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	2	0.52
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	12	0.52
(1,3292)	1:356:A:TRP:HD1	1:359:A:LYS:HE3	9	0.52
(1,3281)	1:335:A:ARG:HG3	1:340:A:TYR:HA	13	0.52
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB1	12	0.52
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD13	14	0.52
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	18	0.52
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	2	0.52
(1,3235)	1:367:A:VAL:HG21	1:352:A:ASN:HA	5	0.52
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	11	0.52
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HD2	12	0.52
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	11	0.52
(1,3137)	1:416:A:MET:H	1:404:A:ARG:HD2	20	0.52
(1,3121)	1:354:A:ILE:HD13	1:344:A:LEU:H	2	0.52
(1,3121)	1:354:A:ILE:HD13	1:344:A:LEU:H	10	0.52
(1,3121)	1:354:A:ILE:HD11	1:344:A:LEU:H	20	0.52
(1,3090)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	9	0.52
(1,3090)	1:345:A:LEU:HD11	1:355:A:ARG:HB2	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	5	0.52
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	19	0.52
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	5	0.52
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	6	0.52
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD21	8	0.52
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD21	13	0.52
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD13	1	0.52
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD22	12	0.52
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG21	6	0.52
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD23	3	0.52
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD22	5	0.52
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD21	6	0.52
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD22	12	0.52
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD23	17	0.52
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD23	19	0.52
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	14	0.52
(1,2861)	1:366:A:ILE:HG21	1:366:A:ILE:H	18	0.52
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	14	0.52
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG22	18	0.52
(1,2857)	1:412:A:LEU:HD21	1:364:A:PHE:H	8	0.52
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG11	13	0.52
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	2	0.52
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	17	0.52
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG23	7	0.52
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	13	0.52
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	16	0.52
(1,2699)	1:406:A:GLU:H	1:406:A:GLU:HB3	4	0.52
(1,2699)	1:406:A:GLU:H	1:406:A:GLU:HB3	9	0.52
(1,2637)	1:393:A:ALA:H	1:392:A:ARG:HB3	5	0.52
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	1	0.52
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	5	0.52
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	4	0.52
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	4	0.52
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	11	0.52
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	15	0.52
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	19	0.52
(1,2245)	1:402:A:ILE:HG23	1:403:A:ILE:HD13	17	0.52
(1,2220)	1:341:A:VAL:HG13	1:354:A:ILE:HD11	12	0.52
(1,2207)	1:429:A:ARG:HA	1:433:A:LEU:HD21	7	0.52
(1,2173)	1:375:A:LEU:HD21	1:353:A:PHE:HZ	4	0.52
(1,2173)	1:375:A:LEU:HD21	1:353:A:PHE:HZ	14	0.52
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	10	0.52
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD23	19	0.52
(1,2156)	1:336:A:LEU:HD21	1:338:A:TRP:HE1	14	0.52
(1,2155)	1:336:A:LEU:HD11	1:431:A:GLU:HB3	14	0.52
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD13	4	0.52
(1,2114)	1:435:A:SER:H	1:435:A:SER:HB2	10	0.52
(1,2110)	1:434:A:GLU:HG3	1:393:A:ALA:HB1	20	0.52
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD13	17	0.52
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	5	0.52
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	14	0.52
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	4	0.52
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	2	0.52
(1,1814)	1:415:A:PHE:HE1	1:342:A:TYR:HE2	1	0.52
(1,1798)	1:414:A:ARG:HD2	1:414:A:ARG:HH12	11	0.52
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD23	8	0.52
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD21	17	0.52
(1,1764)	1:412:A:LEU:HD22	1:410:A:ARG:HE	6	0.52
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	1	0.52
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	13	0.52
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	4	0.52
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	7	0.52
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	17	0.52
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD11	6	0.52
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	12	0.52
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	1	0.52
(1,1374)	1:392:A:ARG:H	1:392:A:ARG:HB2	20	0.52
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	19	0.52
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	18	0.52
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	19	0.52
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB2	11	0.52
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB3	13	0.52
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB3	14	0.52
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG3	11	0.52
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG22	4	0.52
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG21	10	0.52
(1,1272)	1:383:A:THR:HG21	1:384:A:ASN:HB2	11	0.52
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	5	0.52
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	18	0.52
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	5	0.52
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	4	0.52
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	1	0.52
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	14	0.52
(1,665)	1:345:A:LEU:HD21	1:354:A:ILE:HD13	3	0.52
(1,658)	1:354:A:ILE:HD11	1:353:A:PHE:HB2	3	0.52
(1,658)	1:354:A:ILE:HD11	1:353:A:PHE:HB2	15	0.52
(1,658)	1:354:A:ILE:HD11	1:353:A:PHE:HB2	17	0.52
(1,544)	1:345:A:LEU:HD22	1:364:A:PHE:HE2	3	0.52
(1,544)	1:345:A:LEU:HD21	1:364:A:PHE:HE2	19	0.52
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD22	4	0.52
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD21	9	0.52
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD23	11	0.52
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	14	0.52
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	16	0.52
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	1	0.52
(1,444)	1:341:A:VAL:HG11	1:345:A:LEU:HD22	17	0.52
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	8	0.52
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG11	10	0.52
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD13	13	0.52
(1,376)	1:337:A:LEU:HB2	1:337:A:LEU:HD11	3	0.52
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	5	0.52
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	1	0.52
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	7	0.52
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	16	0.52
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	3	0.52
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	10	0.52
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	13	0.52
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	14	0.52
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	16	0.52
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	2	0.52
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	13	0.52
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	18	0.52
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	18	0.52
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	20	0.52
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	3	0.51
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	7	0.51
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	11	0.51
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	18	0.51
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	3	0.51
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	4	0.51
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	13	0.51
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	14	0.51
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	16	0.51
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	16	0.51
(1,3584)	1:365:A:ARG:HD3	1:412:A:LEU:H	19	0.51
(1,3572)	1:336:A:LEU:HD21	1:338:A:TRP:HD1	13	0.51
(1,3558)	1:430:A:LEU:HD23	1:430:A:LEU:HB2	2	0.51
(1,3558)	1:430:A:LEU:HD21	1:430:A:LEU:HB2	5	0.51
(1,3558)	1:430:A:LEU:HD22	1:430:A:LEU:HB2	7	0.51
(1,3542)	1:422:A:ILE:HD11	1:403:A:ILE:H	15	0.51
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG23	15	0.51
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	10	0.51
(1,3479)	1:415:A:PHE:HE2	1:415:A:PHE:HA	1	0.51
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	5	0.51
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	6	0.51
(1,3445)	1:411:A:LEU:HD21	1:369:A:PRO:HD3	3	0.51
(1,3442)	1:411:A:LEU:HD11	1:413:A:PHE:HE1	6	0.51
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD13	8	0.51
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD11	13	0.51
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	5	0.51
(1,3400)	1:403:A:ILE:HD12	1:416:A:MET:H	11	0.51
(1,3400)	1:403:A:ILE:HD11	1:416:A:MET:H	15	0.51
(1,3373)	1:399:A:LYS:HE3	1:400:A:LEU:HG	19	0.51
(1,3345)	1:394:A:LEU:HD22	1:403:A:ILE:HD11	1	0.51
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG23	13	0.51
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG23	20	0.51
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	6	0.51
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	5	0.51
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	16	0.51
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	18	0.51
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB3	13	0.51
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD11	7	0.51
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD13	13	0.51
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	20	0.51
(1,3207)	1:357:A:GLU:HG3	1:363:A:ILE:HG22	5	0.51
(1,3196)	1:363:A:ILE:HA	1:362:A:LYS:HB2	14	0.51
(1,3185)	1:361:A:SER:H	1:362:A:LYS:HA	20	0.51
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH11	13	0.51
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	9	0.51
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	13	0.51
(1,3090)	1:345:A:LEU:HD13	1:355:A:ARG:HB2	7	0.51
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG11	6	0.51
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	18	0.51
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	9	0.51
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD12	10	0.51
(1,3038)	1:337:A:LEU:HD11	1:397:A:TYR:HB2	3	0.51
(1,3038)	1:337:A:LEU:HD11	1:397:A:TYR:HB2	7	0.51
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	2	0.51
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD11	17	0.51
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG21	13	0.51
(1,2893)	1:411:A:LEU:HD12	1:411:A:LEU:H	5	0.51
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD22	4	0.51
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD21	11	0.51
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG22	2	0.51
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG21	5	0.51
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG21	7	0.51
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD23	2	0.51
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD21	16	0.51
(1,2861)	1:366:A:ILE:HG22	1:366:A:ILE:H	9	0.51
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	1	0.51
(1,2857)	1:412:A:LEU:HD23	1:364:A:PHE:H	1	0.51
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG13	2	0.51
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG12	10	0.51
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG13	14	0.51
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	4	0.51
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	6	0.51
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	18	0.51
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD23	8	0.51
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	8	0.51
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	17	0.51
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD11	5	0.51
(1,2699)	1:406:A:GLU:H	1:406:A:GLU:HB3	5	0.51
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	5	0.51
(1,2497)	1:366:A:ILE:H	1:366:A:ILE:HG12	17	0.51
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	6	0.51
(1,2250)	1:363:A:ILE:HG21	1:412:A:LEU:HD21	7	0.51
(1,2216)	1:341:A:VAL:HG23	1:345:A:LEU:HD13	16	0.51
(1,2207)	1:429:A:ARG:HA	1:433:A:LEU:HD22	4	0.51
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	9	0.51
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	12	0.51
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	18	0.51
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	20	0.51
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD12	5	0.51
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD13	6	0.51
(1,2114)	1:435:A:SER:H	1:435:A:SER:HB2	1	0.51
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD13	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:433:A:LEU:H	1:433:A:LEU:HD12	18	0.51
(1,2016)	1:427:A:THR:HG22	1:430:A:LEU:H	9	0.51
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	1	0.51
(1,1879)	1:418:A:THR:HG21	1:419:A:PRO:HD3	16	0.51
(1,1878)	1:418:A:THR:HG21	1:415:A:PHE:HB2	3	0.51
(1,1878)	1:418:A:THR:HG23	1:415:A:PHE:HB2	8	0.51
(1,1878)	1:418:A:THR:HG22	1:415:A:PHE:HB2	13	0.51
(1,1765)	1:412:A:LEU:H	1:412:A:LEU:HD21	5	0.51
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	1	0.51
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	6	0.51
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	15	0.51
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	1	0.51
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	6	0.51
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	10	0.51
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	11	0.51
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	13	0.51
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	15	0.51
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	18	0.51
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	20	0.51
(1,1479)	1:400:A:LEU:HD13	1:399:A:LYS:HE3	18	0.51
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	12	0.51
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	20	0.51
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	11	0.51
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB1	9	0.51
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG3	1	0.51
(1,1292)	1:386:A:THR:HG23	1:384:A:ASN:HB3	6	0.51
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG23	5	0.51
(1,1270)	1:384:A:ASN:HB3	1:382:A:ARG:HB2	1	0.51
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB2	4	0.51
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	6	0.51
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	13	0.51
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	14	0.51
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	2	0.51
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	12	0.51
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	17	0.51
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	16	0.51
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	18	0.51
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	14	0.51
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	17	0.51
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	13	0.51
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD13	12	0.51
(1,658)	1:354:A:ILE:HD11	1:353:A:PHE:HB2	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:354:A:ILE:HD13	1:353:A:PHE:HB2	19	0.51
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG11	5	0.51
(1,612)	1:351:A:GLU:HG2	1:352:A:ASN:H	19	0.51
(1,588)	1:349:A:ARG:HG2	1:350:A:TYR:HA	17	0.51
(1,544)	1:345:A:LEU:HD22	1:364:A:PHE:HE2	1	0.51
(1,544)	1:345:A:LEU:HD21	1:364:A:PHE:HE2	6	0.51
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	1	0.51
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	2	0.51
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	8	0.51
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	12	0.51
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	15	0.51
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	18	0.51
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG11	18	0.51
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	19	0.51
(1,379)	1:337:A:LEU:HD13	1:390:A:MET:HA	10	0.51
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	9	0.51
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	8	0.51
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	16	0.51
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB1	8	0.51
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	7	0.51
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	6	0.51
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	19	0.51
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	4	0.51
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	6	0.51
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	9	0.51
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	11	0.51
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	12	0.51
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	15	0.51
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	18	0.51
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	2	0.51
(1,3764)	1:411:A:LEU:H	1:413:A:PHE:HZ	7	0.5
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	12	0.5
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	17	0.5
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB2	15	0.5
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	15	0.5
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	2	0.5
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	8	0.5
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	10	0.5
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	12	0.5
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	6	0.5
(1,3593)	1:429:A:ARG:HD2	1:400:A:LEU:HD22	20	0.5
(1,3584)	1:365:A:ARG:HD3	1:412:A:LEU:H	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3558)	1:430:A:LEU:HD22	1:430:A:LEU:HB2	10	0.5
(1,3558)	1:430:A:LEU:HD22	1:430:A:LEU:HB2	14	0.5
(1,3548)	1:418:A:THR:HG21	1:362:A:LYS:HA	4	0.5
(1,3542)	1:422:A:ILE:HD13	1:403:A:ILE:H	14	0.5
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG22	5	0.5
(1,3515)	1:427:A:THR:HG21	1:338:A:TRP:HZ3	11	0.5
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE3	1	0.5
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE3	4	0.5
(1,3504)	1:362:A:LYS:HE2	1:361:A:SER:H	3	0.5
(1,3504)	1:362:A:LYS:HE2	1:415:A:PHE:HD2	10	0.5
(1,3503)	1:417:A:LYS:HE3	1:418:A:THR:H	18	0.5
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	13	0.5
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG23	4	0.5
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	3	0.5
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	13	0.5
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	16	0.5
(1,3400)	1:403:A:ILE:HD12	1:416:A:MET:H	13	0.5
(1,3400)	1:403:A:ILE:HD11	1:416:A:MET:H	19	0.5
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	10	0.5
(1,3345)	1:394:A:LEU:HD23	1:403:A:ILE:HD12	3	0.5
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	15	0.5
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	16	0.5
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	12	0.5
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	7	0.5
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	10	0.5
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD22	6	0.5
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD21	11	0.5
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD13	16	0.5
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	1	0.5
(1,3219)	1:365:A:ARG:HD2	1:409:A:GLN:HE22	5	0.5
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	5	0.5
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	7	0.5
(1,3184)	1:361:A:SER:HB2	1:363:A:ILE:HG12	15	0.5
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	4	0.5
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	11	0.5
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	5	0.5
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	3	0.5
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	3	0.5
(1,3125)	1:354:A:ILE:HD11	1:372:A:LEU:HD11	12	0.5
(1,3108)	1:352:A:ASN:HB2	1:353:A:PHE:HE1	12	0.5
(1,3092)	1:345:A:LEU:HD11	1:344:A:LEU:H	10	0.5
(1,3068)	1:338:A:TRP:HE3	1:341:A:VAL:HG13	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	11	0.5
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD21	10	0.5
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	17	0.5
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD23	9	0.5
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG22	9	0.5
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG22	12	0.5
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG23	13	0.5
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG22	20	0.5
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD21	10	0.5
(1,2865)	1:372:A:LEU:H	1:372:A:LEU:HD23	15	0.5
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	3	0.5
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	4	0.5
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG23	6	0.5
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG23	7	0.5
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	15	0.5
(1,2857)	1:412:A:LEU:HD21	1:364:A:PHE:H	10	0.5
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG12	4	0.5
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	10	0.5
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	11	0.5
(1,2796)	1:430:A:LEU:H	1:428:A:ASP:HB2	19	0.5
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	4	0.5
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	2	0.5
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	8	0.5
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	3	0.5
(1,2597)	1:384:A:ASN:HD22	1:383:A:THR:HG23	1	0.5
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	7	0.5
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	19	0.5
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	3	0.5
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	13	0.5
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	4	0.5
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD13	4	0.5
(1,2194)	1:395:A:ARG:HG2	1:395:A:ARG:HA	4	0.5
(1,2178)	1:362:A:LYS:HG3	1:362:A:LYS:HA	12	0.5
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	2	0.5
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	5	0.5
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD12	3	0.5
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD12	15	0.5
(1,2114)	1:435:A:SER:H	1:435:A:SER:HB2	14	0.5
(1,2088)	1:433:A:LEU:HB2	1:433:A:LEU:HD23	15	0.5
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	1	0.5
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	6	0.5
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	10	0.5
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	20	0.5
(1,1764)	1:412:A:LEU:HD23	1:410:A:ARG:HE	3	0.5
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD12	1	0.5
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD12	8	0.5
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD12	10	0.5
(1,1733)	1:411:A:LEU:HD21	1:366:A:ILE:H	15	0.5
(1,1733)	1:411:A:LEU:HD22	1:366:A:ILE:H	19	0.5
(1,1733)	1:411:A:LEU:HD21	1:366:A:ILE:H	20	0.5
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD21	12	0.5
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	12	0.5
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	17	0.5
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	19	0.5
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	12	0.5
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	14	0.5
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	16	0.5
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	3	0.5
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	12	0.5
(1,1596)	1:405:A:LYS:HA	1:405:A:LYS:HG2	16	0.5
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD11	7	0.5
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	20	0.5
(1,1479)	1:400:A:LEU:HD13	1:399:A:LYS:HE2	15	0.5
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	5	0.5
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	7	0.5
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	11	0.5
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	16	0.5
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	6	0.5
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	8	0.5
(1,1292)	1:386:A:THR:HG21	1:384:A:ASN:HB3	9	0.5
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG23	1	0.5
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG21	15	0.5
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	5	0.5
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	15	0.5
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	19	0.5
(1,1272)	1:383:A:THR:HG22	1:384:A:ASN:HB2	20	0.5
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB2	17	0.5
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB1	19	0.5
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB1	20	0.5
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG3	17	0.5
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	20	0.5
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	11	0.5
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	9	0.5
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	10	0.5
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	15	0.5
(1,694)	1:426:A:ARG:HD2	1:401:A:ASN:HD21	15	0.5
(1,658)	1:354:A:ILE:HD13	1:353:A:PHE:HB2	7	0.5
(1,658)	1:354:A:ILE:HD13	1:353:A:PHE:HB2	9	0.5
(1,658)	1:354:A:ILE:HD11	1:353:A:PHE:HB2	10	0.5
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG13	16	0.5
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	7	0.5
(1,544)	1:345:A:LEU:HD23	1:364:A:PHE:HE2	4	0.5
(1,469)	1:343:A:GLN:H	1:343:A:GLN:HB2	4	0.5
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG11	3	0.5
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	20	0.5
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	1	0.5
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	6	0.5
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	7	0.5
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	13	0.5
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB2	4	0.5
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	10	0.5
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB3	3	0.5
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	12	0.5
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	1	0.5
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	2	0.5
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	5	0.5
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	17	0.5
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	20	0.5
(1,159)	1:415:A:PHE:HB3	1:414:A:ARG:HA	4	0.5
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	1	0.49
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	5	0.49
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	16	0.49
(1,3616)	1:413:A:PHE:H	1:412:A:LEU:HB2	1	0.49
(1,3569)	1:336:A:LEU:HB2	1:336:A:LEU:HD11	4	0.49
(1,3558)	1:430:A:LEU:HD21	1:430:A:LEU:HB2	11	0.49
(1,3558)	1:430:A:LEU:HD21	1:430:A:LEU:HB2	18	0.49
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	7	0.49
(1,3542)	1:422:A:ILE:HD12	1:403:A:ILE:H	1	0.49
(1,3542)	1:422:A:ILE:HD12	1:403:A:ILE:H	9	0.49
(1,3542)	1:422:A:ILE:HD13	1:403:A:ILE:H	17	0.49
(1,3520)	1:419:A:PRO:HA	1:338:A:TRP:HE3	3	0.49
(1,3515)	1:427:A:THR:HG22	1:338:A:TRP:HZ3	8	0.49
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	19	0.49
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	10	0.49
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	1	0.49
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	15	0.49
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	20	0.49
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD11	4	0.49
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD12	9	0.49
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD13	12	0.49
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD13	20	0.49
(1,3445)	1:411:A:LEU:HD22	1:369:A:PRO:HD3	6	0.49
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	2	0.49
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	5	0.49
(1,3413)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	7	0.49
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	9	0.49
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	19	0.49
(1,3400)	1:403:A:ILE:HD11	1:416:A:MET:H	4	0.49
(1,3400)	1:403:A:ILE:HD12	1:416:A:MET:H	20	0.49
(1,3373)	1:399:A:LYS:HE2	1:400:A:LEU:HG	11	0.49
(1,3373)	1:399:A:LYS:HE2	1:400:A:LEU:HG	20	0.49
(1,3345)	1:394:A:LEU:HD23	1:403:A:ILE:HD12	19	0.49
(1,3322)	1:391:A:SER:HB2	1:394:A:LEU:HB2	10	0.49
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	4	0.49
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	17	0.49
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	15	0.49
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	9	0.49
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	11	0.49
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD23	12	0.49
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	16	0.49
(1,3235)	1:367:A:VAL:HG23	1:352:A:ASN:HA	14	0.49
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	8	0.49
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	15	0.49
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	7	0.49
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	9	0.49
(1,3149)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	14	0.49
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	12	0.49
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	15	0.49
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	8	0.49
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	12	0.49
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	3	0.49
(1,3090)	1:345:A:LEU:HD12	1:355:A:ARG:HB3	17	0.49
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	4	0.49
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	1	0.49
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:337:A:LEU:HD12	1:397:A:TYR:HB2	13	0.49
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD21	6	0.49
(1,2873)	1:387:A:TYR:H	1:386:A:THR:HG21	17	0.49
(1,2861)	1:366:A:ILE:HG23	1:366:A:ILE:H	8	0.49
(1,2861)	1:366:A:ILE:HG21	1:366:A:ILE:H	12	0.49
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG23	8	0.49
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	19	0.49
(1,2857)	1:412:A:LEU:HD22	1:364:A:PHE:H	2	0.49
(1,2857)	1:412:A:LEU:HD21	1:364:A:PHE:H	3	0.49
(1,2857)	1:412:A:LEU:HD21	1:364:A:PHE:H	11	0.49
(1,2857)	1:412:A:LEU:HD21	1:364:A:PHE:H	15	0.49
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG22	8	0.49
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG21	20	0.49
(1,2841)	1:354:A:ILE:H	1:367:A:VAL:HG12	1	0.49
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	13	0.49
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	7	0.49
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	2	0.49
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	20	0.49
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	14	0.49
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	1	0.49
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	2	0.49
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	2	0.49
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	5	0.49
(1,2216)	1:341:A:VAL:HG21	1:345:A:LEU:HD11	3	0.49
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD13	20	0.49
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	17	0.49
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	8	0.49
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD23	11	0.49
(1,2155)	1:336:A:LEU:HD12	1:431:A:GLU:HB2	17	0.49
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD12	13	0.49
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD12	8	0.49
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	10	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	1	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	2	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	3	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	4	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	7	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	8	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	9	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	10	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	11	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	13	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	14	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	15	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	16	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	17	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	18	0.49
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	20	0.49
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	2	0.49
(1,1764)	1:412:A:LEU:HD23	1:410:A:ARG:HE	10	0.49
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD11	13	0.49
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD13	16	0.49
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	10	0.49
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	18	0.49
(1,1733)	1:411:A:LEU:HD23	1:366:A:ILE:H	14	0.49
(1,1733)	1:411:A:LEU:HD23	1:366:A:ILE:H	17	0.49
(1,1733)	1:411:A:LEU:HD23	1:366:A:ILE:H	18	0.49
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	15	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	1	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	3	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	6	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	7	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	8	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	10	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	11	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	13	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	17	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	18	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	19	0.49
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	20	0.49
(1,1636)	1:406:A:GLU:HG3	1:414:A:ARG:H	4	0.49
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG21	15	0.49
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG23	16	0.49
(1,1523)	1:402:A:ILE:HD13	1:397:A:TYR:HB2	7	0.49
(1,1523)	1:402:A:ILE:HD12	1:397:A:TYR:HB2	11	0.49
(1,1479)	1:400:A:LEU:HD12	1:399:A:LYS:HE3	19	0.49
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	14	0.49
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	2	0.49
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	9	0.49
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	14	0.49
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	16	0.49
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	11	0.49
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB2	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG3	2	0.49
(1,1292)	1:386:A:THR:HG23	1:384:A:ASN:HB3	7	0.49
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	10	0.49
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	12	0.49
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	16	0.49
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	18	0.49
(1,1002)	1:355:A:ARG:HD2	1:367:A:VAL:HG22	17	0.49
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	17	0.49
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	8	0.49
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	4	0.49
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	1	0.49
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	17	0.49
(1,692)	1:355:A:ARG:HD3	1:355:A:ARG:HA	17	0.49
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	5	0.49
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	11	0.49
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	20	0.49
(1,665)	1:345:A:LEU:HD22	1:354:A:ILE:HD11	16	0.49
(1,658)	1:354:A:ILE:HD11	1:353:A:PHE:HB2	18	0.49
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG12	9	0.49
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG12	10	0.49
(1,597)	1:349:A:ARG:HD2	1:349:A:ARG:HB2	15	0.49
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD13	15	0.49
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD22	15	0.49
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD22	16	0.49
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD22	18	0.49
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD23	19	0.49
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	9	0.49
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	5	0.49
(1,439)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	15	0.49
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	11	0.49
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	17	0.49
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG13	18	0.49
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD23	3	0.49
(1,379)	1:337:A:LEU:HD13	1:390:A:MET:HA	12	0.49
(1,379)	1:337:A:LEU:HD12	1:390:A:MET:HA	16	0.49
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	20	0.49
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	8	0.49
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	3	0.49
(1,180)	1:413:A:PHE:HB3	1:413:A:PHE:HD1	19	0.49
(1,69)	1:375:A:LEU:HD11	1:344:A:LEU:HD22	3	0.49
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	3	0.49
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB1	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	10	0.48
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	17	0.48
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	20	0.48
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	13	0.48
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	4	0.48
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	19	0.48
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	3	0.48
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	7	0.48
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	11	0.48
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	13	0.48
(1,3584)	1:365:A:ARG:HD3	1:412:A:LEU:H	5	0.48
(1,3558)	1:430:A:LEU:HD22	1:430:A:LEU:HB2	15	0.48
(1,3558)	1:430:A:LEU:HD22	1:430:A:LEU:HB2	16	0.48
(1,3558)	1:430:A:LEU:HD23	1:430:A:LEU:HB2	17	0.48
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	13	0.48
(1,3548)	1:418:A:THR:HG21	1:362:A:LYS:HA	6	0.48
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE3	9	0.48
(1,3505)	1:405:A:LYS:HE2	1:413:A:PHE:HA	9	0.48
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD2	2	0.48
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	7	0.48
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	9	0.48
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	12	0.48
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	15	0.48
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	18	0.48
(1,3476)	1:415:A:PHE:HE1	1:403:A:ILE:HG23	1	0.48
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	17	0.48
(1,3442)	1:411:A:LEU:HD12	1:413:A:PHE:HE1	13	0.48
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD13	9	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	1	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	3	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	4	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	6	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	10	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	11	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	12	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	13	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	16	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	17	0.48
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	18	0.48
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE3	18	0.48
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG23	16	0.48
(1,3322)	1:391:A:SER:HB2	1:394:A:LEU:HB2	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3322)	1:391:A:SER:HB2	1:394:A:LEU:HB2	6	0.48
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	10	0.48
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	16	0.48
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	4	0.48
(1,3293)	1:382:A:ARG:HG2	1:378:A:ASN:H	10	0.48
(1,3292)	1:356:A:TRP:HD1	1:359:A:LYS:HE3	20	0.48
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB1	3	0.48
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB1	15	0.48
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	12	0.48
(1,3235)	1:367:A:VAL:HG23	1:352:A:ASN:HA	17	0.48
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	1	0.48
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	7	0.48
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	5	0.48
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	16	0.48
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HD2	2	0.48
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	7	0.48
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	13	0.48
(1,3134)	1:390:A:MET:HB3	1:393:A:ALA:H	11	0.48
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	18	0.48
(1,3121)	1:354:A:ILE:HD12	1:344:A:LEU:H	9	0.48
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	7	0.48
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD13	7	0.48
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD12	13	0.48
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG23	1	0.48
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG21	11	0.48
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG23	12	0.48
(1,2893)	1:411:A:LEU:HD13	1:411:A:LEU:H	4	0.48
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD23	1	0.48
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD22	5	0.48
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD23	3	0.48
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG23	9	0.48
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD12	6	0.48
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	9	0.48
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	12	0.48
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	19	0.48
(1,2834)	1:433:A:LEU:H	1:433:A:LEU:HB2	20	0.48
(1,2828)	1:420:A:ASP:H	1:418:A:THR:HG22	4	0.48
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	3	0.48
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	18	0.48
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	11	0.48
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	1	0.48
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	17	0.48
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	20	0.48
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	12	0.48
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	18	0.48
(1,2380)	1:349:A:ARG:H	1:349:A:ARG:HB2	17	0.48
(1,2245)	1:402:A:ILE:HG23	1:403:A:ILE:HD11	11	0.48
(1,2216)	1:341:A:VAL:HG22	1:345:A:LEU:HD11	11	0.48
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	7	0.48
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	12	0.48
(1,2178)	1:362:A:LYS:HG3	1:362:A:LYS:HA	9	0.48
(1,2178)	1:362:A:LYS:HG3	1:362:A:LYS:HA	14	0.48
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	15	0.48
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	16	0.48
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD12	8	0.48
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD13	10	0.48
(1,2016)	1:427:A:THR:HG23	1:430:A:LEU:H	2	0.48
(1,2016)	1:427:A:THR:HG22	1:430:A:LEU:H	11	0.48
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	18	0.48
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	3	0.48
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	7	0.48
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	12	0.48
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	13	0.48
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	5	0.48
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	6	0.48
(1,1916)	1:420:A:ASP:HA	1:420:A:ASP:HB3	19	0.48
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	7	0.48
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	5	0.48
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	1	0.48
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	11	0.48
(1,1798)	1:414:A:ARG:HD2	1:414:A:ARG:HH12	10	0.48
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD13	3	0.48
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD13	6	0.48
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD12	14	0.48
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	17	0.48
(1,1733)	1:411:A:LEU:HD22	1:366:A:ILE:H	6	0.48
(1,1733)	1:411:A:LEU:HD22	1:366:A:ILE:H	7	0.48
(1,1733)	1:411:A:LEU:HD23	1:366:A:ILE:H	11	0.48
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD22	11	0.48
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	5	0.48
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	9	0.48
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	8	0.48
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD13	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	10	0.48
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	2	0.48
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	4	0.48
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB3	16	0.48
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG21	11	0.48
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	10	0.48
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	8	0.48
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	18	0.48
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	4	0.48
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	9	0.48
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG13	2	0.48
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG13	20	0.48
(1,994)	1:367:A:VAL:HG11	1:368:A:ASP:HB3	15	0.48
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD11	4	0.48
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG21	8	0.48
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	8	0.48
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	2	0.48
(1,809)	1:392:A:ARG:HA	1:392:A:ARG:HD3	20	0.48
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	10	0.48
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	10	0.48
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	12	0.48
(1,658)	1:354:A:ILE:HD11	1:353:A:PHE:HB2	14	0.48
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG11	3	0.48
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	14	0.48
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	17	0.48
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	19	0.48
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG2	9	0.48
(1,588)	1:349:A:ARG:HG2	1:350:A:TYR:HA	13	0.48
(1,544)	1:345:A:LEU:HD23	1:364:A:PHE:HE2	18	0.48
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD23	5	0.48
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD23	12	0.48
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD22	17	0.48
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	14	0.48
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD23	4	0.48
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	13	0.48
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	1	0.48
(1,379)	1:337:A:LEU:HD12	1:390:A:MET:HA	3	0.48
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	19	0.48
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	4	0.48
(1,299)	1:397:A:TYR:H	1:397:A:TYR:HD2	6	0.48
(1,232)	1:342:A:TYR:HE2	1:415:A:PHE:HD1	1	0.48
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3749)	1:401:A:ASN:H	1:400:A:LEU:HG	14	0.47
(1,3715)	1:401:A:ASN:HD21	1:399:A:LYS:HB3	10	0.47
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	4	0.47
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	7	0.47
(1,3639)	1:349:A:ARG:HE	1:343:A:GLN:HE22	17	0.47
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	2	0.47
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	1	0.47
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	9	0.47
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	1	0.47
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	15	0.47
(1,3558)	1:430:A:LEU:HD21	1:430:A:LEU:HB2	3	0.47
(1,3558)	1:430:A:LEU:HD23	1:430:A:LEU:HB2	8	0.47
(1,3548)	1:418:A:THR:HG23	1:362:A:LYS:HA	1	0.47
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	13	0.47
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	14	0.47
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	18	0.47
(1,3505)	1:405:A:LYS:HE2	1:413:A:PHE:HA	5	0.47
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	8	0.47
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	3	0.47
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	16	0.47
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	18	0.47
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD11	8	0.47
(1,3442)	1:411:A:LEU:HD11	1:413:A:PHE:HE1	12	0.47
(1,3442)	1:411:A:LEU:HD12	1:413:A:PHE:HE1	14	0.47
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD13	15	0.47
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	18	0.47
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	14	0.47
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	15	0.47
(1,3413)	1:405:A:LYS:HG3	1:405:A:LYS:HD3	20	0.47
(1,3345)	1:394:A:LEU:HD22	1:403:A:ILE:HD12	7	0.47
(1,3345)	1:394:A:LEU:HD23	1:403:A:ILE:HD11	9	0.47
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD13	13	0.47
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	8	0.47
(1,3322)	1:391:A:SER:HB3	1:395:A:ARG:HG2	17	0.47
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	1	0.47
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	6	0.47
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	18	0.47
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	16	0.47
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB3	1	0.47
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB3	2	0.47
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB1	5	0.47
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB1	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	11	0.47
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	10	0.47
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	10	0.47
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	20	0.47
(1,3149)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	1	0.47
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	4	0.47
(1,3125)	1:354:A:ILE:HD12	1:372:A:LEU:HD12	6	0.47
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	18	0.47
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	5	0.47
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	16	0.47
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	13	0.47
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	15	0.47
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	12	0.47
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	8	0.47
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD22	1	0.47
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	19	0.47
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	18	0.47
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	4	0.47
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	14	0.47
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	10	0.47
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD11	19	0.47
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG21	2	0.47
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG23	11	0.47
(1,2893)	1:411:A:LEU:HD12	1:411:A:LEU:H	9	0.47
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	11	0.47
(1,2857)	1:412:A:LEU:HD21	1:364:A:PHE:H	4	0.47
(1,2857)	1:412:A:LEU:HD21	1:364:A:PHE:H	9	0.47
(1,2857)	1:412:A:LEU:HD22	1:364:A:PHE:H	13	0.47
(1,2857)	1:412:A:LEU:HD21	1:364:A:PHE:H	17	0.47
(1,2857)	1:412:A:LEU:HD22	1:364:A:PHE:H	18	0.47
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD13	17	0.47
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD22	3	0.47
(1,2722)	1:412:A:LEU:H	1:412:A:LEU:HD11	2	0.47
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	9	0.47
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	10	0.47
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	8	0.47
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD13	7	0.47
(1,2230)	1:367:A:VAL:HG13	1:367:A:VAL:HG21	12	0.47
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD12	5	0.47
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD12	15	0.47
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD13	18	0.47
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD21	16	0.47
(1,2159)	1:336:A:LEU:HD21	1:339:A:ASP:HB2	15	0.47
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD13	10	0.47
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD11	9	0.47
(1,2086)	1:430:A:LEU:HD23	1:396:A:HIS:HB2	4	0.47
(1,2086)	1:430:A:LEU:HD23	1:396:A:HIS:HB2	16	0.47
(1,2036)	1:433:A:LEU:HA	1:436:A:GLN:HG2	18	0.47
(1,2016)	1:427:A:THR:HG22	1:430:A:LEU:H	16	0.47
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	16	0.47
(1,1992)	1:424:A:SER:H	1:424:A:SER:HB2	17	0.47
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	1	0.47
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	13	0.47
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	18	0.47
(1,1878)	1:418:A:THR:HG21	1:415:A:PHE:HB2	9	0.47
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	6	0.47
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	9	0.47
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	18	0.47
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD13	2	0.47
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD12	7	0.47
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD13	18	0.47
(1,1733)	1:411:A:LEU:HD23	1:366:A:ILE:H	2	0.47
(1,1733)	1:411:A:LEU:HD21	1:366:A:ILE:H	3	0.47
(1,1733)	1:411:A:LEU:HD21	1:366:A:ILE:H	4	0.47
(1,1733)	1:411:A:LEU:HD23	1:366:A:ILE:H	9	0.47
(1,1733)	1:411:A:LEU:HD23	1:366:A:ILE:H	10	0.47
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	14	0.47
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG23	13	0.47
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG21	19	0.47
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD22	19	0.47
(1,1479)	1:400:A:LEU:HD11	1:399:A:LYS:HE2	2	0.47
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	15	0.47
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	5	0.47
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	6	0.47
(1,1125)	1:374:A:ARG:HG3	1:372:A:LEU:H	3	0.47
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	3	0.47
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	7	0.47
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	8	0.47
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	19	0.47
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	14	0.47
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	1	0.47
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	4	0.47
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	4	0.47
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	6	0.47
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	13	0.47
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	19	0.47
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD12	11	0.47
(1,692)	1:355:A:ARG:HD3	1:355:A:ARG:HA	20	0.47
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	16	0.47
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	17	0.47
(1,665)	1:345:A:LEU:HD22	1:354:A:ILE:HD13	15	0.47
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG13	2	0.47
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG13	14	0.47
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	9	0.47
(1,551)	1:346:A:SER:HA	1:346:A:SER:HB2	17	0.47
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD23	7	0.47
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD21	14	0.47
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD21	19	0.47
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD23	4	0.47
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG13	3	0.47
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	5	0.47
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG11	6	0.47
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	12	0.47
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	15	0.47
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	2	0.47
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	1	0.47
(1,277)	1:387:A:TYR:HB3	1:369:A:PRO:HB3	7	0.47
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	4	0.47
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	9	0.47
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD11	6	0.46
(1,3715)	1:401:A:ASN:HD21	1:399:A:LYS:HB3	16	0.46
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	7	0.46
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	5	0.46
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	6	0.46
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	2	0.46
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	14	0.46
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	9	0.46
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	11	0.46
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG23	8	0.46
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG23	11	0.46
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	6	0.46
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	2	0.46
(1,3461)	1:414:A:ARG:HA	1:412:A:LEU:HD12	8	0.46
(1,3442)	1:411:A:LEU:HD11	1:413:A:PHE:HE1	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	4	0.46
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD23	6	0.46
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	17	0.46
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	7	0.46
(1,3373)	1:399:A:LYS:HE3	1:400:A:LEU:HG	5	0.46
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	18	0.46
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB3	7	0.46
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB1	8	0.46
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB2	9	0.46
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB3	16	0.46
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB3	19	0.46
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD13	8	0.46
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	4	0.46
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	6	0.46
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	9	0.46
(1,3235)	1:367:A:VAL:HG22	1:352:A:ASN:HA	7	0.46
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	11	0.46
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG21	7	0.46
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	17	0.46
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB3	17	0.46
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	20	0.46
(1,3092)	1:345:A:LEU:HD11	1:344:A:LEU:H	17	0.46
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	5	0.46
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	3	0.46
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	14	0.46
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	16	0.46
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	4	0.46
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	6	0.46
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	11	0.46
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	15	0.46
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD12	3	0.46
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD12	11	0.46
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD12	20	0.46
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG21	6	0.46
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG23	6	0.46
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG22	10	0.46
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	17	0.46
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG21	20	0.46
(1,2857)	1:412:A:LEU:HD22	1:364:A:PHE:H	19	0.46
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	1	0.46
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	14	0.46
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD11	8	0.46
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	8	0.46
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	16	0.46
(1,2597)	1:384:A:ASN:HD22	1:383:A:THR:HG23	16	0.46
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	3	0.46
(1,2261)	1:336:A:LEU:HD13	1:430:A:LEU:HD22	10	0.46
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD22	11	0.46
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	11	0.46
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	2	0.46
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD12	8	0.46
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	16	0.46
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD23	7	0.46
(1,2159)	1:336:A:LEU:HD21	1:339:A:ASP:HB2	5	0.46
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD11	16	0.46
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD13	4	0.46
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD12	14	0.46
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD11	18	0.46
(1,2114)	1:435:A:SER:H	1:435:A:SER:HB2	17	0.46
(1,2039)	1:430:A:LEU:HB2	1:336:A:LEU:HD13	12	0.46
(1,1989)	1:423:A:MET:HG3	1:422:A:ILE:HG23	4	0.46
(1,1966)	1:422:A:ILE:HD13	1:338:A:TRP:HB3	4	0.46
(1,1966)	1:422:A:ILE:HD11	1:338:A:TRP:HB3	8	0.46
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	5	0.46
(1,1878)	1:418:A:THR:HG23	1:415:A:PHE:HB2	1	0.46
(1,1878)	1:418:A:THR:HG21	1:415:A:PHE:HB2	6	0.46
(1,1878)	1:418:A:THR:HG23	1:415:A:PHE:HB2	12	0.46
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	6	0.46
(1,1764)	1:412:A:LEU:HD22	1:410:A:ARG:HE	14	0.46
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD11	11	0.46
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD11	15	0.46
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	4	0.46
(1,1733)	1:411:A:LEU:HD22	1:366:A:ILE:H	1	0.46
(1,1733)	1:411:A:LEU:HD22	1:366:A:ILE:H	13	0.46
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD22	17	0.46
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD22	7	0.46
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	9	0.46
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD12	5	0.46
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD13	9	0.46
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG22	6	0.46
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD11	11	0.46
(1,1505)	1:401:A:ASN:HB3	1:426:A:ARG:HB2	7	0.46
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	14	0.46
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	17	0.46
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB1	6	0.46
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG3	5	0.46
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	18	0.46
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	3	0.46
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	1	0.46
(1,1038)	1:368:A:ASP:HB3	1:369:A:PRO:HD2	2	0.46
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	1	0.46
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	20	0.46
(1,909)	1:363:A:ILE:H	1:363:A:ILE:HG23	7	0.46
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	8	0.46
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	6	0.46
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	12	0.46
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	20	0.46
(1,809)	1:392:A:ARG:HA	1:392:A:ARG:HD3	4	0.46
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	2	0.46
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	4	0.46
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	6	0.46
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD13	11	0.46
(1,658)	1:354:A:ILE:HD12	1:353:A:PHE:HB2	16	0.46
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG3	12	0.46
(1,551)	1:346:A:SER:HA	1:346:A:SER:HB2	1	0.46
(1,551)	1:346:A:SER:HA	1:346:A:SER:HB2	10	0.46
(1,544)	1:345:A:LEU:HD22	1:364:A:PHE:HE2	14	0.46
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD21	3	0.46
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	9	0.46
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	7	0.46
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG11	1	0.46
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	7	0.46
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG13	10	0.46
(1,413)	1:338:A:TRP:HH2	1:336:A:LEU:HD11	6	0.46
(1,379)	1:337:A:LEU:HD13	1:390:A:MET:HA	13	0.46
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	14	0.46
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	7	0.46
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD11	18	0.45
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	3	0.45
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	14	0.45
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	16	0.45
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	19	0.45
(1,3594)	1:376:A:TRP:HH2	1:339:A:ASP:HB3	3	0.45
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	2	0.45
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	3	0.45
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	8	0.45
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE3	11	0.45
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE2	13	0.45
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	16	0.45
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	4	0.45
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	14	0.45
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	19	0.45
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG21	13	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	3	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	4	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	5	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	6	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	9	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	12	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	13	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	15	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	16	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	18	0.45
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	19	0.45
(1,3462)	1:414:A:ARG:HB3	1:404:A:ARG:HG3	12	0.45
(1,3461)	1:414:A:ARG:HA	1:413:A:PHE:HB3	6	0.45
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	2	0.45
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG22	19	0.45
(1,3345)	1:394:A:LEU:HD23	1:403:A:ILE:HD13	2	0.45
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD11	8	0.45
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	6	0.45
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	19	0.45
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	3	0.45
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	8	0.45
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	13	0.45
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	14	0.45
(1,3293)	1:382:A:ARG:HG2	1:379:A:HIS:H	3	0.45
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB2	10	0.45
(1,3235)	1:367:A:VAL:HG23	1:352:A:ASN:HA	3	0.45
(1,3235)	1:367:A:VAL:HG21	1:352:A:ASN:HA	16	0.45
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	18	0.45
(1,3202)	1:363:A:ILE:HD12	1:414:A:ARG:HH11	10	0.45
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	4	0.45
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	1	0.45
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3159)	1:341:A:VAL:H	1:335:A:ARG:HB3	20	0.45
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	16	0.45
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	10	0.45
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	6	0.45
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	10	0.45
(1,3090)	1:345:A:LEU:HD13	1:355:A:ARG:HB2	5	0.45
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	1	0.45
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	9	0.45
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	10	0.45
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	12	0.45
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	9	0.45
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	6	0.45
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	7	0.45
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	8	0.45
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	13	0.45
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	1	0.45
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	8	0.45
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG22	3	0.45
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD12	2	0.45
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD11	10	0.45
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD13	14	0.45
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG22	5	0.45
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG22	9	0.45
(1,2893)	1:411:A:LEU:HD13	1:411:A:LEU:H	13	0.45
(1,2891)	1:431:A:GLU:H	1:433:A:LEU:HD22	8	0.45
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD21	8	0.45
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD21	13	0.45
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD23	19	0.45
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG22	4	0.45
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD11	14	0.45
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD12	11	0.45
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD12	18	0.45
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG21	18	0.45
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	17	0.45
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	19	0.45
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD11	11	0.45
(1,2631)	1:392:A:ARG:H	1:337:A:LEU:HD12	12	0.45
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	7	0.45
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	14	0.45
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	10	0.45
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	2	0.45
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:336:A:LEU:HD13	1:430:A:LEU:HD11	11	0.45
(1,2256)	1:430:A:LEU:HD23	1:430:A:LEU:HD13	14	0.45
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG23	1	0.45
(1,2230)	1:367:A:VAL:HG13	1:367:A:VAL:HG23	14	0.45
(1,2225)	1:394:A:LEU:HD21	1:366:A:ILE:HD13	7	0.45
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD11	8	0.45
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD12	1	0.45
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	4	0.45
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	6	0.45
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	9	0.45
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD13	10	0.45
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	13	0.45
(1,2178)	1:362:A:LYS:HG3	1:362:A:LYS:HA	1	0.45
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	19	0.45
(1,1879)	1:418:A:THR:HG21	1:419:A:PRO:HD3	6	0.45
(1,1842)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	14	0.45
(1,1764)	1:412:A:LEU:HD22	1:410:A:ARG:HE	16	0.45
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD11	5	0.45
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD12	17	0.45
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD12	19	0.45
(1,1733)	1:411:A:LEU:HD22	1:366:A:ILE:H	5	0.45
(1,1733)	1:411:A:LEU:HD21	1:366:A:ILE:H	16	0.45
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD22	2	0.45
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD22	14	0.45
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	1	0.45
(1,1642)	1:406:A:GLU:HG3	1:407:A:PRO:HD3	2	0.45
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD12	16	0.45
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	14	0.45
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD23	3	0.45
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD13	5	0.45
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD13	8	0.45
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD11	17	0.45
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	1	0.45
(1,1377)	1:374:A:ARG:HG2	1:374:A:ARG:HA	13	0.45
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	4	0.45
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	5	0.45
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	18	0.45
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG3	19	0.45
(1,1305)	1:388:A:GLU:HB3	1:391:A:SER:HB3	11	0.45
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	11	0.45
(1,1274)	1:385:A:MET:HA	1:385:A:MET:HB3	20	0.45
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	15	0.45
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	1	0.45
(1,977)	1:366:A:ILE:HD11	1:337:A:LEU:HD11	8	0.45
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG23	5	0.45
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG21	7	0.45
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	14	0.45
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	11	0.45
(1,709)	1:356:A:TRP:HD1	1:359:A:LYS:HE2	12	0.45
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	8	0.45
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD11	6	0.45
(1,658)	1:354:A:ILE:HD12	1:353:A:PHE:HB2	8	0.45
(1,658)	1:354:A:ILE:HD12	1:353:A:PHE:HB2	20	0.45
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	1	0.45
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	18	0.45
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG3	5	0.45
(1,544)	1:345:A:LEU:HD22	1:364:A:PHE:HE2	9	0.45
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	14	0.45
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	16	0.45
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	17	0.45
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD23	12	0.45
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	1	0.45
(1,466)	1:343:A:GLN:H	1:343:A:GLN:HG2	6	0.45
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD21	2	0.45
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD23	12	0.45
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD23	19	0.45
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	8	0.45
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	14	0.45
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD22	10	0.45
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	15	0.45
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	18	0.45
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	20	0.45
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	6	0.45
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	13	0.45
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	11	0.44
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	13	0.44
(1,3593)	1:400:A:LEU:HD23	1:426:A:ARG:HD3	18	0.44
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	4	0.44
(1,3578)	1:371:A:GLY:H	1:353:A:PHE:HZ	6	0.44
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	7	0.44
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	5	0.44
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	20	0.44
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG22	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG23	12	0.44
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG22	18	0.44
(1,3504)	1:409:A:GLN:HE21	1:405:A:LYS:HE2	9	0.44
(1,3504)	1:362:A:LYS:HE2	1:415:A:PHE:HD2	18	0.44
(1,3503)	1:362:A:LYS:HE2	1:418:A:THR:H	6	0.44
(1,3503)	1:362:A:LYS:HE2	1:418:A:THR:H	11	0.44
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD2	19	0.44
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	8	0.44
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG21	3	0.44
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG23	8	0.44
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG23	12	0.44
(1,3476)	1:415:A:PHE:HE1	1:403:A:ILE:HG21	20	0.44
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	2	0.44
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	7	0.44
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	8	0.44
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	10	0.44
(1,3445)	1:411:A:LEU:HD23	1:369:A:PRO:HD3	18	0.44
(1,3442)	1:411:A:LEU:HD13	1:413:A:PHE:HE1	17	0.44
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG23	16	0.44
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG23	14	0.44
(1,3293)	1:382:A:ARG:HG2	1:378:A:ASN:H	14	0.44
(1,3286)	1:370:A:ASN:HB3	1:369:A:PRO:HG2	11	0.44
(1,3280)	1:392:A:ARG:HG3	1:389:A:LYS:HA	11	0.44
(1,3274)	1:373:A:ALA:HB2	1:376:A:TRP:H	11	0.44
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB1	14	0.44
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB3	18	0.44
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB3	20	0.44
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD11	1	0.44
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD11	9	0.44
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD13	18	0.44
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD13	20	0.44
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	15	0.44
(1,3235)	1:367:A:VAL:HG22	1:352:A:ASN:HA	8	0.44
(1,3235)	1:367:A:VAL:HG23	1:352:A:ASN:HA	11	0.44
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	15	0.44
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	20	0.44
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	2	0.44
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	6	0.44
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	13	0.44
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	14	0.44
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	15	0.44
(1,3137)	1:416:A:MET:H	1:404:A:ARG:HD2	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	6	0.44
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	17	0.44
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB3	1	0.44
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB3	18	0.44
(1,3092)	1:345:A:LEU:HD13	1:344:A:LEU:H	13	0.44
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG21	17	0.44
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	2	0.44
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	5	0.44
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD11	14	0.44
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	6	0.44
(1,3013)	1:398:A:TYR:HE1	1:405:A:LYS:HB2	18	0.44
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	2	0.44
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	5	0.44
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	9	0.44
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	10	0.44
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	14	0.44
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	20	0.44
(1,2961)	1:340:A:TYR:H	1:340:A:TYR:HD1	19	0.44
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD21	7	0.44
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	4	0.44
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	5	0.44
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	7	0.44
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG21	8	0.44
(1,2893)	1:411:A:LEU:HD12	1:411:A:LEU:H	8	0.44
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD22	7	0.44
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG22	5	0.44
(1,2857)	1:412:A:LEU:HD23	1:364:A:PHE:H	7	0.44
(1,2857)	1:412:A:LEU:HD23	1:364:A:PHE:H	14	0.44
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD11	1	0.44
(1,2797)	1:430:A:LEU:H	1:429:A:ARG:HB3	10	0.44
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	3	0.44
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	7	0.44
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	7	0.44
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	9	0.44
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	12	0.44
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	11	0.44
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	1	0.44
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	3	0.44
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD12	3	0.44
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD12	16	0.44
(1,2245)	1:402:A:ILE:HG23	1:403:A:ILE:HD13	19	0.44
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG23	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	17	0.44
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	3	0.44
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD12	14	0.44
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD12	19	0.44
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD23	11	0.44
(1,2159)	1:336:A:LEU:HD23	1:339:A:ASP:HB2	2	0.44
(1,2159)	1:336:A:LEU:HD22	1:339:A:ASP:HB2	10	0.44
(1,2159)	1:336:A:LEU:HD22	1:339:A:ASP:HB2	14	0.44
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD12	1	0.44
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD13	5	0.44
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	7	0.44
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	16	0.44
(1,1879)	1:418:A:THR:HG23	1:419:A:PRO:HD3	1	0.44
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	20	0.44
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD11	20	0.44
(1,1710)	1:410:A:ARG:HB2	1:410:A:ARG:HD3	1	0.44
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD2	3	0.44
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD21	19	0.44
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD12	11	0.44
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD12	13	0.44
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD13	18	0.44
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG21	12	0.44
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD21	4	0.44
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD11	14	0.44
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD12	16	0.44
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD11	19	0.44
(1,1479)	1:400:A:LEU:HD13	1:399:A:LYS:HE2	3	0.44
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	13	0.44
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	16	0.44
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	19	0.44
(1,1370)	1:391:A:SER:HB2	1:390:A:MET:HB2	20	0.44
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB2	7	0.44
(1,1270)	1:384:A:ASN:HB3	1:382:A:ARG:HB2	3	0.44
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	7	0.44
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	15	0.44
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	16	0.44
(1,1116)	1:373:A:ALA:HB3	1:385:A:MET:HG3	10	0.44
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	7	0.44
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	10	0.44
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	3	0.44
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	11	0.44
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	11	0.44
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	5	0.44
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	3	0.44
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	19	0.44
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD12	7	0.44
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD12	19	0.44
(1,658)	1:354:A:ILE:HD11	1:353:A:PHE:HB2	2	0.44
(1,644)	1:354:A:ILE:HG23	1:366:A:ILE:HA	14	0.44
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG11	7	0.44
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG3	17	0.44
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD23	6	0.44
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD23	20	0.44
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG13	2	0.44
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	9	0.44
(1,379)	1:337:A:LEU:HD12	1:390:A:MET:HA	14	0.44
(1,347)	1:335:A:ARG:HA	1:335:A:ARG:HD2	8	0.44
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	8	0.44
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	20	0.44
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	10	0.44
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	14	0.44
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	18	0.43
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	3	0.43
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	2	0.43
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	5	0.43
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	19	0.43
(1,3515)	1:427:A:THR:HG21	1:338:A:TRP:HZ3	9	0.43
(1,3512)	1:427:A:THR:HG21	1:430:A:LEU:H	5	0.43
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD2	9	0.43
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	9	0.43
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD2	10	0.43
(1,3469)	1:415:A:PHE:HB3	1:415:A:PHE:HE2	14	0.43
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	2	0.43
(1,3445)	1:411:A:LEU:HD23	1:369:A:PRO:HD3	2	0.43
(1,3442)	1:411:A:LEU:HD13	1:413:A:PHE:HE1	1	0.43
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	12	0.43
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	14	0.43
(1,3393)	1:341:A:VAL:HG23	1:403:A:ILE:HG21	6	0.43
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	17	0.43
(1,3345)	1:394:A:LEU:HD22	1:403:A:ILE:HD12	6	0.43
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD13	14	0.43
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG21	6	0.43
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG21	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	10	0.43
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	20	0.43
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB1	4	0.43
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	1	0.43
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	17	0.43
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	16	0.43
(1,3215)	1:365:A:ARG:HG2	1:364:A:PHE:HD1	12	0.43
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	4	0.43
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	10	0.43
(1,3188)	1:362:A:LYS:HG3	1:415:A:PHE:HD2	12	0.43
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	17	0.43
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	15	0.43
(1,3159)	1:341:A:VAL:H	1:335:A:ARG:HB3	5	0.43
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	19	0.43
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	3	0.43
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	19	0.43
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	13	0.43
(1,3114)	1:337:A:LEU:HB2	1:393:A:ALA:H	17	0.43
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	6	0.43
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	7	0.43
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	17	0.43
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	3	0.43
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	2	0.43
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	10	0.43
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	5	0.43
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	16	0.43
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	16	0.43
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	18	0.43
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD23	1	0.43
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	15	0.43
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	17	0.43
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	20	0.43
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	6	0.43
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	13	0.43
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	18	0.43
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG22	18	0.43
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG23	2	0.43
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG23	4	0.43
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG23	7	0.43
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG21	20	0.43
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD12	6	0.43
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD12	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD12	12	0.43
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD13	4	0.43
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD12	12	0.43
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG23	12	0.43
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	5	0.43
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	6	0.43
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	20	0.43
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	18	0.43
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	18	0.43
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	10	0.43
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	19	0.43
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	2	0.43
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	8	0.43
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	2	0.43
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	12	0.43
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	13	0.43
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	18	0.43
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	6	0.43
(1,2242)	1:394:A:LEU:HD23	1:341:A:VAL:HG11	13	0.43
(1,2230)	1:367:A:VAL:HG13	1:367:A:VAL:HG23	2	0.43
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG23	15	0.43
(1,2173)	1:375:A:LEU:HD22	1:353:A:PHE:HZ	16	0.43
(1,2159)	1:336:A:LEU:HD22	1:339:A:ASP:HB2	1	0.43
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD13	2	0.43
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD13	2	0.43
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	9	0.43
(1,1879)	1:418:A:THR:HG22	1:419:A:PRO:HD3	10	0.43
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	15	0.43
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	10	0.43
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD12	4	0.43
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD13	9	0.43
(1,1760)	1:365:A:ARG:H	1:412:A:LEU:HD11	12	0.43
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	7	0.43
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	18	0.43
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD21	1	0.43
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD23	3	0.43
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD21	7	0.43
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD23	20	0.43
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	16	0.43
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	10	0.43
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	18	0.43
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD23	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD13	6	0.43
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD13	7	0.43
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD12	9	0.43
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD11	11	0.43
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD11	20	0.43
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	20	0.43
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB1	19	0.43
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	15	0.43
(1,1305)	1:388:A:GLU:HB3	1:391:A:SER:HB3	1	0.43
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG22	8	0.43
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	6	0.43
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	4	0.43
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	11	0.43
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB1	16	0.43
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	5	0.43
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	18	0.43
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG13	14	0.43
(1,977)	1:366:A:ILE:HD12	1:337:A:LEU:HD11	9	0.43
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	11	0.43
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	13	0.43
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD2	17	0.43
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	7	0.43
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD12	9	0.43
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	1	0.43
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	15	0.43
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	10	0.43
(1,665)	1:345:A:LEU:HD21	1:354:A:ILE:HD13	2	0.43
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD13	4	0.43
(1,665)	1:345:A:LEU:HD21	1:354:A:ILE:HD11	8	0.43
(1,644)	1:354:A:ILE:HG22	1:366:A:ILE:HA	4	0.43
(1,644)	1:354:A:ILE:HG22	1:366:A:ILE:HA	12	0.43
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG12	1	0.43
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG13	8	0.43
(1,615)	1:352:A:ASN:H	1:352:A:ASN:HB2	17	0.43
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	6	0.43
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	15	0.43
(1,597)	1:349:A:ARG:HD2	1:349:A:ARG:HB2	6	0.43
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG3	18	0.43
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD12	16	0.43
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD21	1	0.43
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	1	0.43
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	7	0.43
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	8	0.43
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	18	0.43
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	20	0.43
(1,472)	1:340:A:TYR:HD1	1:343:A:GLN:HB2	6	0.43
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	3	0.43
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	4	0.43
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	10	0.43
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	12	0.43
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	13	0.43
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	18	0.43
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG11	4	0.43
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD23	17	0.43
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	17	0.43
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG2	9	0.43
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	7	0.43
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	4	0.43
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	12	0.43
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	14	0.43
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	4	0.43
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD13	14	0.42
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	1	0.42
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	10	0.42
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	12	0.42
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	18	0.42
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	2	0.42
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	5	0.42
(1,3578)	1:371:A:GLY:H	1:353:A:PHE:HZ	11	0.42
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	12	0.42
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	20	0.42
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	1	0.42
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	12	0.42
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	8	0.42
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	10	0.42
(1,3504)	1:362:A:LYS:HE2	1:361:A:SER:H	2	0.42
(1,3503)	1:362:A:LYS:HE3	1:418:A:THR:H	16	0.42
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	10	0.42
(1,3488)	1:403:A:ILE:HG22	1:415:A:PHE:HD2	7	0.42
(1,3488)	1:403:A:ILE:HG21	1:415:A:PHE:HD2	16	0.42
(1,3479)	1:415:A:PHE:HE1	1:415:A:PHE:HA	4	0.42
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD12	3	0.42
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	6	0.42
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	13	0.42
(1,3394)	1:403:A:ILE:HD12	1:397:A:TYR:HA	4	0.42
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	1	0.42
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	10	0.42
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	13	0.42
(1,3195)	1:363:A:ILE:HA	1:414:A:ARG:HD2	17	0.42
(1,3189)	1:362:A:LYS:HG2	1:415:A:PHE:HD2	14	0.42
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	18	0.42
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	12	0.42
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	5	0.42
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	6	0.42
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	16	0.42
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	9	0.42
(1,3092)	1:345:A:LEU:HD13	1:344:A:LEU:H	20	0.42
(1,3075)	1:335:A:ARG:HD2	1:343:A:GLN:HG2	4	0.42
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	10	0.42
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	13	0.42
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	14	0.42
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	8	0.42
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	12	0.42
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	12	0.42
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	1	0.42
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	3	0.42
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	12	0.42
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	19	0.42
(1,2961)	1:340:A:TYR:H	1:340:A:TYR:HD1	20	0.42
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD13	9	0.42
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD12	16	0.42
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG23	7	0.42
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG22	19	0.42
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG22	1	0.42
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG23	15	0.42
(1,2893)	1:411:A:LEU:HD11	1:411:A:LEU:H	10	0.42
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD11	13	0.42
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD11	20	0.42
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD11	14	0.42
(1,2840)	1:349:A:ARG:H	1:349:A:ARG:HD2	5	0.42
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG3	8	0.42
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	17	0.42
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	15	0.42
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	12	0.42
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	16	0.42
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	3	0.42
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	13	0.42
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	16	0.42
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	15	0.42
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	18	0.42
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	6	0.42
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	17	0.42
(1,2445)	1:360:A:GLU:H	1:361:A:SER:HB3	17	0.42
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	7	0.42
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	16	0.42
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD22	14	0.42
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD11	6	0.42
(1,2230)	1:367:A:VAL:HG11	1:367:A:VAL:HG23	3	0.42
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG21	10	0.42
(1,2230)	1:367:A:VAL:HG11	1:367:A:VAL:HG22	13	0.42
(1,2225)	1:394:A:LEU:HD22	1:366:A:ILE:HD12	9	0.42
(1,2183)	1:344:A:LEU:H	1:344:A:LEU:HD11	17	0.42
(1,2170)	1:353:A:PHE:H	1:353:A:PHE:HD2	13	0.42
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD22	18	0.42
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD23	13	0.42
(1,2156)	1:336:A:LEU:HD21	1:338:A:TRP:HE1	11	0.42
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD12	1	0.42
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD11	19	0.42
(1,2086)	1:430:A:LEU:HD23	1:396:A:HIS:HB2	7	0.42
(1,1966)	1:422:A:ILE:HD11	1:338:A:TRP:HB3	7	0.42
(1,1966)	1:422:A:ILE:HD12	1:338:A:TRP:HB3	9	0.42
(1,1784)	1:414:A:ARG:HB2	1:414:A:ARG:HE	11	0.42
(1,1764)	1:412:A:LEU:HD22	1:410:A:ARG:HE	12	0.42
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	5	0.42
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	6	0.42
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	9	0.42
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	11	0.42
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	17	0.42
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	20	0.42
(1,1733)	1:411:A:LEU:HD22	1:366:A:ILE:H	12	0.42
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD21	6	0.42
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD23	8	0.42
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD22	14	0.42
(1,1619)	1:405:A:LYS:HE2	1:410:A:ARG:HA	7	0.42
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD12	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD13	8	0.42
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD11	19	0.42
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG21	9	0.42
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	13	0.42
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD13	2	0.42
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD12	3	0.42
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD12	12	0.42
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD12	15	0.42
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD12	18	0.42
(1,1479)	1:400:A:LEU:HD12	1:399:A:LYS:HE2	4	0.42
(1,1475)	1:399:A:LYS:HA	1:399:A:LYS:HE2	18	0.42
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	9	0.42
(1,1305)	1:388:A:GLU:HB3	1:391:A:SER:HB3	3	0.42
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG21	20	0.42
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG22	5	0.42
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	20	0.42
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	3	0.42
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	5	0.42
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	13	0.42
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	18	0.42
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	20	0.42
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	10	0.42
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	15	0.42
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	8	0.42
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	14	0.42
(1,977)	1:366:A:ILE:HD12	1:337:A:LEU:HD12	14	0.42
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	11	0.42
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	20	0.42
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	2	0.42
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	3	0.42
(1,824)	1:361:A:SER:H	1:361:A:SER:HB3	9	0.42
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD12	17	0.42
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	8	0.42
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	6	0.42
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	6	0.42
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	17	0.42
(1,665)	1:345:A:LEU:HD21	1:354:A:ILE:HD11	1	0.42
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD12	5	0.42
(1,665)	1:345:A:LEU:HD22	1:354:A:ILE:HD13	18	0.42
(1,644)	1:354:A:ILE:HG22	1:366:A:ILE:HA	1	0.42
(1,644)	1:354:A:ILE:HG21	1:366:A:ILE:HA	2	0.42
(1,644)	1:354:A:ILE:HG22	1:366:A:ILE:HA	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:354:A:ILE:HG22	1:366:A:ILE:HA	20	0.42
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	16	0.42
(1,588)	1:349:A:ARG:HG2	1:350:A:TYR:HA	3	0.42
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	18	0.42
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD21	2	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	1	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	2	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	5	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	6	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	7	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	8	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	9	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	14	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	15	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	16	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	19	0.42
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	20	0.42
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD22	1	0.42
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD22	9	0.42
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD21	13	0.42
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD21	14	0.42
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD21	15	0.42
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD22	18	0.42
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG11	16	0.42
(1,438)	1:342:A:TYR:H	1:341:A:VAL:HG12	19	0.42
(1,379)	1:337:A:LEU:HD12	1:390:A:MET:HA	7	0.42
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	9	0.42
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	19	0.42
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	13	0.42
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	5	0.42
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	10	0.42
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	4	0.42
(1,184)	1:413:A:PHE:HB2	1:405:A:LYS:HA	8	0.42
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	13	0.42
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	2	0.42
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	6	0.42
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	10	0.42
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	11	0.42
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	13	0.42
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	15	0.42
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	18	0.42
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	15	0.41
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	19	0.41
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	10	0.41
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	10	0.41
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	16	0.41
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	14	0.41
(1,3542)	1:422:A:ILE:HD12	1:403:A:ILE:H	6	0.41
(1,3542)	1:422:A:ILE:HD12	1:403:A:ILE:H	13	0.41
(1,3542)	1:422:A:ILE:HD12	1:403:A:ILE:H	19	0.41
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG23	1	0.41
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG23	7	0.41
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG21	9	0.41
(1,3515)	1:427:A:THR:HG22	1:338:A:TRP:HZ3	14	0.41
(1,3492)	1:416:A:MET:HG3	1:404:A:ARG:HG2	8	0.41
(1,3461)	1:414:A:ARG:HA	1:412:A:LEU:HD13	4	0.41
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	12	0.41
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	20	0.41
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	8	0.41
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	9	0.41
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	10	0.41
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	11	0.41
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	20	0.41
(1,3393)	1:341:A:VAL:HG23	1:403:A:ILE:HG22	10	0.41
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG22	15	0.41
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG21	17	0.41
(1,3380)	1:379:A:HIS:HE1	1:335:A:ARG:HG2	9	0.41
(1,3373)	1:399:A:LYS:HE2	1:400:A:LEU:HG	8	0.41
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	6	0.41
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	13	0.41
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	19	0.41
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD13	16	0.41
(1,3322)	1:391:A:SER:HB3	1:395:A:ARG:HG2	7	0.41
(1,3301)	1:403:A:ILE:H	1:397:A:TYR:HB2	12	0.41
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	10	0.41
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	5	0.41
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	1	0.41
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	5	0.41
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	19	0.41
(1,3219)	1:365:A:ARG:HD2	1:409:A:GLN:HE22	16	0.41
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	17	0.41
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	19	0.41
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD2	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	2	0.41
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	15	0.41
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	8	0.41
(1,3092)	1:345:A:LEU:HD12	1:344:A:LEU:H	6	0.41
(1,3061)	1:341:A:VAL:HA	1:340:A:TYR:HE2	6	0.41
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	2	0.41
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD21	2	0.41
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD22	17	0.41
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	13	0.41
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	11	0.41
(1,2961)	1:340:A:TYR:H	1:340:A:TYR:HD1	18	0.41
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD22	9	0.41
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG23	9	0.41
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG21	12	0.41
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG23	20	0.41
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG22	4	0.41
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD13	8	0.41
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD11	9	0.41
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD13	20	0.41
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG23	2	0.41
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG23	14	0.41
(1,2790)	1:428:A:ASP:H	1:426:A:ARG:HB3	10	0.41
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD23	8	0.41
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	1	0.41
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	4	0.41
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	9	0.41
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	15	0.41
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	8	0.41
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	11	0.41
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD11	5	0.41
(1,2295)	1:413:A:PHE:H	1:413:A:PHE:HE1	7	0.41
(1,2256)	1:430:A:LEU:HD21	1:430:A:LEU:HD12	5	0.41
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD11	15	0.41
(1,2256)	1:430:A:LEU:HD21	1:430:A:LEU:HD13	20	0.41
(1,2245)	1:402:A:ILE:HG21	1:403:A:ILE:HD13	6	0.41
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD12	18	0.41
(1,2230)	1:367:A:VAL:HG11	1:367:A:VAL:HG21	5	0.41
(1,2230)	1:367:A:VAL:HG11	1:367:A:VAL:HG22	7	0.41
(1,2230)	1:367:A:VAL:HG13	1:367:A:VAL:HG21	16	0.41
(1,2225)	1:394:A:LEU:HD21	1:366:A:ILE:HD13	1	0.41
(1,2225)	1:394:A:LEU:HD22	1:366:A:ILE:HD13	10	0.41
(1,2173)	1:375:A:LEU:HD21	1:353:A:PHE:HZ	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	11	0.41
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD23	10	0.41
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD21	9	0.41
(1,2156)	1:336:A:LEU:HD22	1:338:A:TRP:HE1	9	0.41
(1,2156)	1:336:A:LEU:HD23	1:338:A:TRP:HE1	15	0.41
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD13	7	0.41
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD11	9	0.41
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD12	14	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	1	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	2	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	3	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	4	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	5	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	6	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	7	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	8	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	9	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	10	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	11	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	12	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	13	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	15	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	16	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	17	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	18	0.41
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	20	0.41
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	10	0.41
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	11	0.41
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	3	0.41
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	4	0.41
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	13	0.41
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	14	0.41
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	15	0.41
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	16	0.41
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	19	0.41
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD2	9	0.41
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	5	0.41
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	8	0.41
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	9	0.41
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	11	0.41
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	12	0.41
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	20	0.41
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD23	15	0.41
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD11	15	0.41
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD12	20	0.41
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG23	10	0.41
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	7	0.41
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG22	8	0.41
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	9	0.41
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD21	11	0.41
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD12	1	0.41
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD11	4	0.41
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD11	10	0.41
(1,1487)	1:400:A:LEU:H	1:400:A:LEU:HD13	13	0.41
(1,1479)	1:400:A:LEU:HD11	1:399:A:LYS:HE3	5	0.41
(1,1478)	1:399:A:LYS:HE2	1:400:A:LEU:HD23	6	0.41
(1,1478)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	17	0.41
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	6	0.41
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	15	0.41
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	4	0.41
(1,1368)	1:391:A:SER:HB2	1:390:A:MET:H	11	0.41
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB3	3	0.41
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG23	15	0.41
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG23	20	0.41
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	13	0.41
(1,1270)	1:384:A:ASN:HB3	1:382:A:ARG:HB2	14	0.41
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	20	0.41
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	13	0.41
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	18	0.41
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	4	0.41
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	7	0.41
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	11	0.41
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	16	0.41
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	8	0.41
(1,1132)	1:374:A:ARG:HB3	1:374:A:ARG:HD3	3	0.41
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	9	0.41
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	19	0.41
(1,977)	1:366:A:ILE:HD11	1:337:A:LEU:HD11	6	0.41
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG21	9	0.41
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG23	10	0.41
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG23	16	0.41
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	10	0.41
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD13	6	0.41
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	14	0.41
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	15	0.41
(1,665)	1:345:A:LEU:HD22	1:354:A:ILE:HD11	13	0.41
(1,658)	1:354:A:ILE:HD12	1:353:A:PHE:HB2	4	0.41
(1,658)	1:354:A:ILE:HD13	1:353:A:PHE:HB2	5	0.41
(1,644)	1:354:A:ILE:HG23	1:366:A:ILE:HA	3	0.41
(1,644)	1:354:A:ILE:HG22	1:366:A:ILE:HA	6	0.41
(1,644)	1:354:A:ILE:HG23	1:366:A:ILE:HA	9	0.41
(1,644)	1:354:A:ILE:HG22	1:366:A:ILE:HA	19	0.41
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG11	13	0.41
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	8	0.41
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	10	0.41
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	20	0.41
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG2	16	0.41
(1,588)	1:349:A:ARG:HG2	1:350:A:TYR:HA	11	0.41
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	9	0.41
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	10	0.41
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	6	0.41
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	6	0.41
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	12	0.41
(1,326)	1:413:A:PHE:HD1	1:364:A:PHE:HE1	9	0.41
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	5	0.41
(1,312)	1:398:A:TYR:H	1:398:A:TYR:HD2	9	0.41
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	14	0.41
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	2	0.41
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	13	0.41
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	11	0.41
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	2	0.41
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	4	0.41
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	14	0.41
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	1	0.41
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	3	0.41
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	5	0.41
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	7	0.41
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	16	0.41
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	20	0.41
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	18	0.41
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	8	0.4
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	19	0.4
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	8	0.4
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	19	0.4
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	3	0.4
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	8	0.4
(1,3578)	1:353:A:PHE:HZ	1:353:A:PHE:H	18	0.4
(1,3571)	1:336:A:LEU:HD22	1:376:A:TRP:HZ2	12	0.4
(1,3569)	1:430:A:LEU:HB2	1:336:A:LEU:HD13	19	0.4
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	16	0.4
(1,3542)	1:422:A:ILE:HD13	1:403:A:ILE:H	4	0.4
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	2	0.4
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG21	6	0.4
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG22	14	0.4
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG21	17	0.4
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE3	8	0.4
(1,3434)	1:355:A:ARG:HD3	1:351:A:GLU:HB2	6	0.4
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	1	0.4
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	5	0.4
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	2	0.4
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	4	0.4
(1,3345)	1:394:A:LEU:HD22	1:403:A:ILE:HD11	12	0.4
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	4	0.4
(1,3322)	1:391:A:SER:HB3	1:395:A:ARG:HG2	12	0.4
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	5	0.4
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	19	0.4
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD12	4	0.4
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	13	0.4
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	5	0.4
(1,3229)	1:366:A:ILE:HD12	1:412:A:LEU:HA	7	0.4
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	7	0.4
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH11	18	0.4
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	3	0.4
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	1	0.4
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	14	0.4
(1,3134)	1:390:A:MET:HB3	1:393:A:ALA:H	12	0.4
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	8	0.4
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	19	0.4
(1,3092)	1:345:A:LEU:HD13	1:344:A:LEU:H	1	0.4
(1,3066)	1:335:A:ARG:HB3	1:339:A:ASP:HA	17	0.4
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	17	0.4
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	20	0.4
(1,3003)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	20	0.4
(1,2982)	1:350:A:TYR:HB3	1:350:A:TYR:HE1	17	0.4
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	13	0.4
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	16	0.4
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG23	3	0.4
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG21	13	0.4
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG21	5	0.4
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD11	1	0.4
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD11	9	0.4
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD12	20	0.4
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD22	6	0.4
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD12	1	0.4
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD12	3	0.4
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD13	6	0.4
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD12	2	0.4
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD12	4	0.4
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD11	19	0.4
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG21	9	0.4
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG3	12	0.4
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG3	17	0.4
(1,2711)	1:410:A:ARG:H	1:410:A:ARG:HG2	4	0.4
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	10	0.4
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	17	0.4
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	4	0.4
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	5	0.4
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	15	0.4
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	20	0.4
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	6	0.4
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	10	0.4
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	4	0.4
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD12	2	0.4
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD12	9	0.4
(1,2485)	1:365:A:ARG:H	1:364:A:PHE:HB3	8	0.4
(1,2262)	1:336:A:LEU:HD11	1:430:A:LEU:HD11	17	0.4
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD13	1	0.4
(1,2256)	1:430:A:LEU:HD23	1:430:A:LEU:HD11	2	0.4
(1,2256)	1:430:A:LEU:HD21	1:430:A:LEU:HD11	18	0.4
(1,2256)	1:430:A:LEU:HD21	1:430:A:LEU:HD12	19	0.4
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD11	2	0.4
(1,2242)	1:394:A:LEU:HD22	1:341:A:VAL:HG12	10	0.4
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG23	4	0.4
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG23	17	0.4
(1,2230)	1:367:A:VAL:HG13	1:367:A:VAL:HG23	20	0.4
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD23	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:336:A:LEU:HD11	1:431:A:GLU:HB3	11	0.4
(1,2102)	1:434:A:GLU:HB2	1:434:A:GLU:HG3	8	0.4
(1,2086)	1:430:A:LEU:HD21	1:396:A:HIS:HB2	2	0.4
(1,2086)	1:430:A:LEU:HD22	1:396:A:HIS:HB2	11	0.4
(1,2076)	1:433:A:LEU:HA	1:433:A:LEU:HB2	15	0.4
(1,2016)	1:427:A:THR:HG22	1:430:A:LEU:H	10	0.4
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	11	0.4
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	14	0.4
(1,1942)	1:422:A:ILE:HB	1:422:A:ILE:HG12	19	0.4
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	15	0.4
(1,1879)	1:418:A:THR:HG21	1:419:A:PRO:HD3	4	0.4
(1,1879)	1:418:A:THR:HG22	1:419:A:PRO:HD3	13	0.4
(1,1792)	1:392:A:ARG:HG2	1:393:A:ALA:H	3	0.4
(1,1764)	1:412:A:LEU:HD22	1:410:A:ARG:HE	1	0.4
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	2	0.4
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	8	0.4
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	10	0.4
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	12	0.4
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	1	0.4
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	3	0.4
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	7	0.4
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	17	0.4
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD23	4	0.4
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD21	13	0.4
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	2	0.4
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	5	0.4
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	9	0.4
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	19	0.4
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG23	3	0.4
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD13	14	0.4
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD21	10	0.4
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD21	3	0.4
(1,1368)	1:391:A:SER:HB2	1:390:A:MET:H	18	0.4
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	12	0.4
(1,1291)	1:386:A:THR:HG23	1:389:A:LYS:HE2	5	0.4
(1,1270)	1:384:A:ASN:HB3	1:382:A:ARG:HB2	4	0.4
(1,1229)	1:381:A:ASN:HB2	1:381:A:ASN:HA	15	0.4
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB2	14	0.4
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	14	0.4
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	19	0.4
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG13	8	0.4
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG13	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	7	0.4
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	3	0.4
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	15	0.4
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	5	0.4
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	9	0.4
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	10	0.4
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	12	0.4
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	14	0.4
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	8	0.4
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	20	0.4
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD12	3	0.4
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD11	20	0.4
(1,680)	1:355:A:ARG:HB3	1:351:A:GLU:HG3	18	0.4
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	4	0.4
(1,665)	1:345:A:LEU:HD21	1:354:A:ILE:HD13	14	0.4
(1,615)	1:352:A:ASN:H	1:352:A:ASN:HB2	6	0.4
(1,597)	1:349:A:ARG:HD2	1:349:A:ARG:HB2	20	0.4
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD22	13	0.4
(1,503)	1:344:A:LEU:HD11	1:375:A:LEU:HG	8	0.4
(1,503)	1:344:A:LEU:HD11	1:375:A:LEU:HG	19	0.4
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	9	0.4
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	17	0.4
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD22	1	0.4
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	5	0.4
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	5	0.4
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	11	0.4
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	6	0.4
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	10	0.4
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	11	0.4
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	16	0.4
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	17	0.4
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	19	0.4
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	6	0.4
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	16	0.4
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	8	0.4
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	17	0.4
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	18	0.4
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	19	0.4
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	9	0.4
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	10	0.4
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	9	0.4
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	17	0.4
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB1	19	0.39
(1,3715)	1:401:A:ASN:HD21	1:399:A:LYS:HB3	3	0.39
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	5	0.39
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	20	0.39
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	11	0.39
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	11	0.39
(1,3579)	1:410:A:ARG:HD2	1:410:A:ARG:HA	1	0.39
(1,3569)	1:336:A:LEU:HB2	1:336:A:LEU:HD11	2	0.39
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	4	0.39
(1,3542)	1:422:A:ILE:HD11	1:403:A:ILE:H	7	0.39
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	15	0.39
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG21	4	0.39
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG21	20	0.39
(1,3515)	1:427:A:THR:HG22	1:338:A:TRP:HZ3	3	0.39
(1,3446)	1:411:A:LEU:HD22	1:405:A:LYS:HE3	2	0.39
(1,3446)	1:411:A:LEU:HD21	1:405:A:LYS:HE3	5	0.39
(1,3446)	1:411:A:LEU:HD22	1:405:A:LYS:HE3	9	0.39
(1,3443)	1:411:A:LEU:HD23	1:413:A:PHE:HZ	8	0.39
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD13	12	0.39
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD11	14	0.39
(1,3432)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	16	0.39
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	3	0.39
(1,3430)	1:429:A:ARG:HG3	1:429:A:ARG:HA	17	0.39
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	8	0.39
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	7	0.39
(1,3393)	1:341:A:VAL:HG21	1:403:A:ILE:HG21	7	0.39
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	1	0.39
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	11	0.39
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	20	0.39
(1,3322)	1:391:A:SER:HB3	1:395:A:ARG:HG2	15	0.39
(1,3272)	1:387:A:TYR:HE1	1:373:A:ALA:HB1	11	0.39
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	4	0.39
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	9	0.39
(1,3252)	1:380:A:LYS:HB2	1:382:A:ARG:HD3	9	0.39
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	3	0.39
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	2	0.39
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	17	0.39
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	15	0.39
(1,3185)	1:361:A:SER:H	1:362:A:LYS:HA	1	0.39
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	14	0.39
(1,3159)	1:341:A:VAL:H	1:335:A:ARG:HB3	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	4	0.39
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	17	0.39
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	1	0.39
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	8	0.39
(1,3092)	1:345:A:LEU:HD13	1:344:A:LEU:H	14	0.39
(1,3092)	1:345:A:LEU:HD11	1:344:A:LEU:H	15	0.39
(1,3090)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	11	0.39
(1,3084)	1:341:A:VAL:HA	1:344:A:LEU:HD22	11	0.39
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	4	0.39
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD22	15	0.39
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD21	18	0.39
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD11	3	0.39
(1,2961)	1:340:A:TYR:HD1	1:379:A:HIS:HE1	15	0.39
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	3	0.39
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	6	0.39
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	10	0.39
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG22	19	0.39
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG21	13	0.39
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG23	16	0.39
(1,2893)	1:411:A:LEU:HD13	1:411:A:LEU:H	2	0.39
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD11	2	0.39
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD12	3	0.39
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD11	14	0.39
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD23	2	0.39
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD23	10	0.39
(1,2859)	1:365:A:ARG:H	1:367:A:VAL:HG23	12	0.39
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	4	0.39
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	6	0.39
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG3	9	0.39
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG3	14	0.39
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG3	20	0.39
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	7	0.39
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	17	0.39
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	20	0.39
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	2	0.39
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	7	0.39
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	3	0.39
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	1	0.39
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	2	0.39
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	5	0.39
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	19	0.39
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD11	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	9	0.39
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	19	0.39
(1,2251)	1:363:A:ILE:HD11	1:412:A:LEU:HD12	18	0.39
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD13	2	0.39
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD13	11	0.39
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD12	17	0.39
(1,2240)	1:394:A:LEU:HD21	1:394:A:LEU:HD13	18	0.39
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG22	6	0.39
(1,2230)	1:367:A:VAL:HG12	1:367:A:VAL:HG22	9	0.39
(1,2230)	1:367:A:VAL:HG11	1:367:A:VAL:HG21	18	0.39
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD23	10	0.39
(1,2159)	1:336:A:LEU:HD23	1:339:A:ASP:HB2	9	0.39
(1,2156)	1:336:A:LEU:HD21	1:338:A:TRP:HE1	1	0.39
(1,2155)	1:336:A:LEU:HD12	1:431:A:GLU:HB3	18	0.39
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD11	16	0.39
(1,2086)	1:430:A:LEU:HD23	1:396:A:HIS:HB2	6	0.39
(1,1966)	1:422:A:ILE:HD12	1:338:A:TRP:HB3	13	0.39
(1,1966)	1:422:A:ILE:HD11	1:338:A:TRP:HB3	18	0.39
(1,1959)	1:422:A:ILE:HG21	1:422:A:ILE:H	13	0.39
(1,1959)	1:422:A:ILE:HG21	1:422:A:ILE:H	14	0.39
(1,1879)	1:418:A:THR:HG22	1:419:A:PRO:HD3	18	0.39
(1,1842)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	8	0.39
(1,1842)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	18	0.39
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	8	0.39
(1,1764)	1:412:A:LEU:HD21	1:410:A:ARG:HE	2	0.39
(1,1747)	1:413:A:PHE:H	1:412:A:LEU:HB2	1	0.39
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD21	5	0.39
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD22	10	0.39
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD23	16	0.39
(1,1666)	1:407:A:PRO:HD3	1:406:A:GLU:HB2	20	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	1	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	3	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	4	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	6	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	7	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	10	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	11	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	12	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	13	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	14	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	15	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	17	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	18	0.39
(1,1601)	1:405:A:LYS:HB2	1:405:A:LYS:HG3	20	0.39
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD11	4	0.39
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD12	14	0.39
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG22	1	0.39
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG21	6	0.39
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG23	14	0.39
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	4	0.39
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD23	1	0.39
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	2	0.39
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD21	14	0.39
(1,1378)	1:392:A:ARG:HA	1:392:A:ARG:HD2	20	0.39
(1,1375)	1:392:A:ARG:HA	1:392:A:ARG:HG2	5	0.39
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB2	2	0.39
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG23	18	0.39
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	7	0.39
(1,1270)	1:384:A:ASN:HB3	1:382:A:ARG:HB2	16	0.39
(1,1232)	1:381:A:ASN:H	1:381:A:ASN:HB3	5	0.39
(1,1216)	1:380:A:LYS:HA	1:380:A:LYS:HE3	5	0.39
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB2	12	0.39
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	2	0.39
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	8	0.39
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	1	0.39
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	7	0.39
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	16	0.39
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD13	10	0.39
(1,974)	1:366:A:ILE:HD12	1:365:A:ARG:HA	12	0.39
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	19	0.39
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	4	0.39
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG21	6	0.39
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	6	0.39
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	19	0.39
(1,854)	1:362:A:LYS:H	1:362:A:LYS:HG3	17	0.39
(1,818)	1:360:A:GLU:HG3	1:359:A:LYS:HB2	9	0.39
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	19	0.39
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	16	0.39
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	11	0.39
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	12	0.39
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	15	0.39
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD11	1	0.39
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD13	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD11	14	0.39
(1,694)	1:426:A:ARG:HD2	1:401:A:ASN:HD21	7	0.39
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	16	0.39
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	15	0.39
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	19	0.39
(1,644)	1:354:A:ILE:HG21	1:366:A:ILE:HA	5	0.39
(1,644)	1:354:A:ILE:HG23	1:366:A:ILE:HA	8	0.39
(1,644)	1:354:A:ILE:HG21	1:366:A:ILE:HA	10	0.39
(1,644)	1:354:A:ILE:HG22	1:366:A:ILE:HA	13	0.39
(1,644)	1:354:A:ILE:HG23	1:366:A:ILE:HA	15	0.39
(1,644)	1:354:A:ILE:HG22	1:366:A:ILE:HA	18	0.39
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG12	19	0.39
(1,615)	1:352:A:ASN:H	1:352:A:ASN:HB2	11	0.39
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	2	0.39
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	3	0.39
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	5	0.39
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	11	0.39
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD22	3	0.39
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	5	0.39
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	5	0.39
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	7	0.39
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD23	6	0.39
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD23	7	0.39
(1,379)	1:337:A:LEU:HD13	1:390:A:MET:HA	15	0.39
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	1	0.39
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	19	0.39
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	10	0.39
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	16	0.39
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	7	0.39
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	1	0.39
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	3	0.39
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	7	0.39
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	12	0.39
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	15	0.39
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	18	0.39
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	1	0.39
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	6	0.39
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	12	0.39
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	13	0.39
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	8	0.39
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	15	0.39
(1,3715)	1:401:A:ASN:HD21	1:399:A:LYS:HB3	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	4	0.38
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	2	0.38
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	3	0.38
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	13	0.38
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	14	0.38
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD1	6	0.38
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	16	0.38
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	18	0.38
(1,3569)	1:336:A:LEU:HB2	1:336:A:LEU:HD11	18	0.38
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	9	0.38
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	16	0.38
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG21	16	0.38
(1,3461)	1:414:A:ARG:HA	1:412:A:LEU:HD12	7	0.38
(1,3442)	1:411:A:LEU:HD12	1:413:A:PHE:HE1	16	0.38
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD12	3	0.38
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD13	6	0.38
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	12	0.38
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	2	0.38
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	7	0.38
(1,3384)	1:401:A:ASN:HB3	1:402:A:ILE:HG13	12	0.38
(1,3379)	1:400:A:LEU:HG	1:400:A:LEU:HA	12	0.38
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	3	0.38
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	7	0.38
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	18	0.38
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH21	18	0.38
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG23	3	0.38
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	8	0.38
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	18	0.38
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	10	0.38
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	18	0.38
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	6	0.38
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	18	0.38
(1,3207)	1:357:A:GLU:HG3	1:363:A:ILE:HG22	20	0.38
(1,3195)	1:363:A:ILE:HA	1:414:A:ARG:HD2	3	0.38
(1,3189)	1:362:A:LYS:HG2	1:415:A:PHE:HD2	9	0.38
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	12	0.38
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	7	0.38
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	18	0.38
(1,3137)	1:416:A:MET:H	1:404:A:ARG:HD2	6	0.38
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	7	0.38
(1,3131)	1:374:A:ARG:HG2	1:375:A:LEU:HD23	4	0.38
(1,3121)	1:354:A:ILE:HD13	1:344:A:LEU:H	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:345:A:LEU:HD13	1:344:A:LEU:H	18	0.38
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD21	6	0.38
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD21	14	0.38
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	1	0.38
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	3	0.38
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	12	0.38
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD12	12	0.38
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG22	10	0.38
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG23	1	0.38
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG21	12	0.38
(1,2893)	1:411:A:LEU:HD11	1:411:A:LEU:H	7	0.38
(1,2893)	1:411:A:LEU:HD13	1:411:A:LEU:H	18	0.38
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD12	5	0.38
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD11	15	0.38
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD22	1	0.38
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD21	15	0.38
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD23	18	0.38
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD12	16	0.38
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD11	5	0.38
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD12	13	0.38
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD11	19	0.38
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG22	11	0.38
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD12	9	0.38
(1,2784)	1:426:A:ARG:H	1:426:A:ARG:HG2	6	0.38
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD22	2	0.38
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD23	4	0.38
(1,2706)	1:409:A:GLN:HE21	1:410:A:ARG:HG2	15	0.38
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	10	0.38
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	11	0.38
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	12	0.38
(1,2675)	1:402:A:ILE:H	1:397:A:TYR:HB2	6	0.38
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	7	0.38
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	19	0.38
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	7	0.38
(1,2264)	1:376:A:TRP:HE1	1:380:A:LYS:HD2	16	0.38
(1,2261)	1:336:A:LEU:HD11	1:430:A:LEU:HD21	9	0.38
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD13	7	0.38
(1,2256)	1:430:A:LEU:HD21	1:430:A:LEU:HD13	9	0.38
(1,2256)	1:430:A:LEU:HD23	1:430:A:LEU:HD13	10	0.38
(1,2242)	1:394:A:LEU:HD21	1:341:A:VAL:HG13	1	0.38
(1,2242)	1:394:A:LEU:HD22	1:341:A:VAL:HG12	3	0.38
(1,2242)	1:394:A:LEU:HD21	1:341:A:VAL:HG11	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD13	3	0.38
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD11	5	0.38
(1,2240)	1:394:A:LEU:HD21	1:394:A:LEU:HD13	6	0.38
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD12	9	0.38
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD11	13	0.38
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD12	15	0.38
(1,2230)	1:367:A:VAL:HG13	1:367:A:VAL:HG22	8	0.38
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD13	16	0.38
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	7	0.38
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD22	8	0.38
(1,2159)	1:336:A:LEU:HD23	1:339:A:ASP:HB2	4	0.38
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD12	11	0.38
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD13	7	0.38
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD13	20	0.38
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	6	0.38
(1,1959)	1:422:A:ILE:HG22	1:422:A:ILE:H	1	0.38
(1,1959)	1:422:A:ILE:HG22	1:422:A:ILE:H	9	0.38
(1,1959)	1:422:A:ILE:HG21	1:422:A:ILE:H	19	0.38
(1,1879)	1:418:A:THR:HG23	1:419:A:PRO:HD3	12	0.38
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	2	0.38
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	4	0.38
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD3	7	0.38
(1,1622)	1:405:A:LYS:HE2	1:412:A:LEU:H	7	0.38
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD13	1	0.38
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD12	7	0.38
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD11	17	0.38
(1,1479)	1:400:A:LEU:HD12	1:399:A:LYS:HE2	20	0.38
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD21	5	0.38
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD21	7	0.38
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	12	0.38
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD23	13	0.38
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	16	0.38
(1,1375)	1:392:A:ARG:HA	1:392:A:ARG:HG2	11	0.38
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	3	0.38
(1,1286)	1:388:A:GLU:H	1:386:A:THR:HG21	19	0.38
(1,1272)	1:383:A:THR:HG22	1:384:A:ASN:HB2	4	0.38
(1,1272)	1:383:A:THR:HG23	1:384:A:ASN:HB2	16	0.38
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	17	0.38
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	3	0.38
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	9	0.38
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	17	0.38
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG21	13	0.38
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	19	0.38
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	2	0.38
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	7	0.38
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	15	0.38
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	12	0.38
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	20	0.38
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	3	0.38
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD13	4	0.38
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD13	12	0.38
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD11	13	0.38
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD11	18	0.38
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	18	0.38
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	1	0.38
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	2	0.38
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	3	0.38
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	5	0.38
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	7	0.38
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	8	0.38
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	9	0.38
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	14	0.38
(1,665)	1:345:A:LEU:HD23	1:354:A:ILE:HD11	20	0.38
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	12	0.38
(1,588)	1:349:A:ARG:HG2	1:350:A:TYR:HA	4	0.38
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD21	6	0.38
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	3	0.38
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	13	0.38
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	20	0.38
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD22	8	0.38
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD21	11	0.38
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD22	5	0.38
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD22	10	0.38
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	11	0.38
(1,350)	1:335:A:ARG:HD2	1:379:A:HIS:HE1	8	0.38
(1,350)	1:335:A:ARG:HD2	1:379:A:HIS:HE1	15	0.38
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	3	0.38
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB1	10	0.38
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	3	0.38
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	4	0.38
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	5	0.38
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	8	0.38
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	15	0.38
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	17	0.38
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	20	0.38
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	7	0.38
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	16	0.38
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	20	0.38
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	1	0.38
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	8	0.38
(1,110)	1:396:A:HIS:HB3	1:396:A:HIS:HA	12	0.38
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	5	0.38
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	15	0.38
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD11	16	0.37
(1,3715)	1:401:A:ASN:HD21	1:399:A:LYS:HB3	18	0.37
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	9	0.37
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	17	0.37
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	16	0.37
(1,3680)	1:365:A:ARG:H	1:358:A:ASP:H	11	0.37
(1,3633)	1:343:A:GLN:HE22	1:335:A:ARG:HD3	14	0.37
(1,3556)	1:431:A:GLU:H	1:430:A:LEU:HD21	15	0.37
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	15	0.37
(1,3485)	1:415:A:PHE:HE1	1:415:A:PHE:HD1	11	0.37
(1,3462)	1:414:A:ARG:HB3	1:404:A:ARG:HG3	19	0.37
(1,3430)	1:400:A:LEU:HG	1:400:A:LEU:HA	16	0.37
(1,3394)	1:403:A:ILE:HD13	1:397:A:TYR:HA	16	0.37
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	8	0.37
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	10	0.37
(1,3345)	1:394:A:LEU:HD22	1:403:A:ILE:HD13	5	0.37
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	2	0.37
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	7	0.37
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	10	0.37
(1,3302)	1:434:A:GLU:HG2	1:376:A:TRP:HH2	13	0.37
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	17	0.37
(1,3281)	1:335:A:ARG:HG3	1:340:A:TYR:HA	6	0.37
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD11	12	0.37
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	7	0.37
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	20	0.37
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	8	0.37
(1,3235)	1:367:A:VAL:HG23	1:352:A:ASN:HA	20	0.37
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	14	0.37
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	15	0.37
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	12	0.37
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	20	0.37
(1,3195)	1:363:A:ILE:HA	1:414:A:ARG:HD2	20	0.37
(1,3191)	1:362:A:LYS:HG2	1:356:A:TRP:HZ3	12	0.37
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	2	0.37
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	8	0.37
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	4	0.37
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	1	0.37
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	2	0.37
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	3	0.37
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	11	0.37
(1,3092)	1:345:A:LEU:HD13	1:344:A:LEU:H	2	0.37
(1,3092)	1:345:A:LEU:HD12	1:344:A:LEU:H	4	0.37
(1,3092)	1:345:A:LEU:HD12	1:344:A:LEU:H	19	0.37
(1,3075)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	9	0.37
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD12	13	0.37
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	11	0.37
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	15	0.37
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD21	5	0.37
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD21	17	0.37
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG21	10	0.37
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG21	15	0.37
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD13	4	0.37
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD13	7	0.37
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD12	12	0.37
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD12	15	0.37
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD12	17	0.37
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD11	19	0.37
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD11	19	0.37
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD13	2	0.37
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD13	17	0.37
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG23	6	0.37
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD13	2	0.37
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD13	5	0.37
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	1	0.37
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	11	0.37
(1,2700)	1:406:A:GLU:H	1:406:A:GLU:HG3	4	0.37
(1,2700)	1:406:A:GLU:H	1:406:A:GLU:HG3	9	0.37
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	3	0.37
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	5	0.37
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	13	0.37
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	14	0.37
(1,2536)	1:374:A:ARG:H	1:374:A:ARG:HG3	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	2	0.37
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	15	0.37
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD13	10	0.37
(1,2329)	1:338:A:TRP:H	1:336:A:LEU:HD13	3	0.37
(1,2262)	1:336:A:LEU:HD13	1:430:A:LEU:HD12	13	0.37
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD22	1	0.37
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD11	12	0.37
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD13	4	0.37
(1,2242)	1:394:A:LEU:HD23	1:341:A:VAL:HG11	15	0.37
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD11	4	0.37
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD13	16	0.37
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD12	14	0.37
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD12	20	0.37
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	7	0.37
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD23	15	0.37
(1,2086)	1:430:A:LEU:HD23	1:396:A:HIS:HB2	15	0.37
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG21	5	0.37
(1,2017)	1:427:A:THR:HG23	1:338:A:TRP:HD1	19	0.37
(1,1959)	1:422:A:ILE:HG22	1:422:A:ILE:H	5	0.37
(1,1959)	1:422:A:ILE:HG21	1:422:A:ILE:H	11	0.37
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	17	0.37
(1,1842)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	1	0.37
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	4	0.37
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	15	0.37
(1,1784)	1:414:A:ARG:HB2	1:414:A:ARG:HE	4	0.37
(1,1784)	1:414:A:ARG:HB2	1:414:A:ARG:HE	9	0.37
(1,1764)	1:412:A:LEU:HD23	1:410:A:ARG:HE	11	0.37
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	5	0.37
(1,1636)	1:406:A:GLU:HG3	1:414:A:ARG:H	8	0.37
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD11	3	0.37
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG23	16	0.37
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	2	0.37
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD12	8	0.37
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	4	0.37
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD21	6	0.37
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	17	0.37
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD23	19	0.37
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD21	20	0.37
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	17	0.37
(1,1375)	1:392:A:ARG:HA	1:392:A:ARG:HG2	9	0.37
(1,1375)	1:392:A:ARG:HA	1:392:A:ARG:HG2	12	0.37
(1,1375)	1:392:A:ARG:HA	1:392:A:ARG:HG2	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:392:A:ARG:HA	1:392:A:ARG:HG2	20	0.37
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	9	0.37
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	2	0.37
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	8	0.37
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	9	0.37
(1,1203)	1:394:A:LEU:HD23	1:397:A:TYR:HB3	3	0.37
(1,1203)	1:394:A:LEU:HD21	1:397:A:TYR:HB3	8	0.37
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	3	0.37
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	4	0.37
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	18	0.37
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	17	0.37
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	13	0.37
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG21	2	0.37
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	4	0.37
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	10	0.37
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG21	12	0.37
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG21	15	0.37
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	16	0.37
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG23	18	0.37
(1,930)	1:365:A:ARG:HG3	1:367:A:VAL:HG22	19	0.37
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	20	0.37
(1,803)	1:356:A:TRP:HZ2	1:359:A:LYS:HE2	15	0.37
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	8	0.37
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	18	0.37
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	2	0.37
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	5	0.37
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	7	0.37
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	13	0.37
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	19	0.37
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD11	2	0.37
(1,694)	1:426:A:ARG:HD3	1:401:A:ASN:HD21	9	0.37
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	11	0.37
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	13	0.37
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	16	0.37
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	18	0.37
(1,665)	1:345:A:LEU:HD22	1:354:A:ILE:HD13	17	0.37
(1,644)	1:354:A:ILE:HG23	1:366:A:ILE:HA	7	0.37
(1,603)	1:351:A:GLU:HA	1:351:A:GLU:HG3	13	0.37
(1,597)	1:349:A:ARG:HD2	1:349:A:ARG:HB2	7	0.37
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	15	0.37
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD13	8	0.37
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD12	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:345:A:LEU:HA	1:345:A:LEU:HD22	10	0.37
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD23	10	0.37
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	10	0.37
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD21	3	0.37
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD22	10	0.37
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD22	1	0.37
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD23	4	0.37
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD22	14	0.37
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD22	15	0.37
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB3	11	0.37
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	9	0.37
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	1	0.37
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	2	0.37
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	5	0.37
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	3	0.37
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	9	0.37
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	10	0.37
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	11	0.37
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	4	0.37
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	13	0.37
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	5	0.37
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	7	0.37
(1,3718)	1:385:A:MET:H	1:385:A:MET:HB2	18	0.36
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	1	0.36
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	12	0.36
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD1	13	0.36
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	12	0.36
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	4	0.36
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	5	0.36
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG22	2	0.36
(1,3516)	1:342:A:TYR:HE1	1:418:A:THR:HG21	3	0.36
(1,3488)	1:403:A:ILE:HG21	1:415:A:PHE:HD2	14	0.36
(1,3485)	1:415:A:PHE:HE1	1:415:A:PHE:HD1	1	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	2	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	3	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	4	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	5	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	6	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	7	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	8	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	9	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	12	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	13	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	15	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	16	0.36
(1,3485)	1:415:A:PHE:HE1	1:415:A:PHE:HD1	17	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	18	0.36
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	19	0.36
(1,3485)	1:415:A:PHE:HE1	1:415:A:PHE:HD1	20	0.36
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD11	18	0.36
(1,3432)	1:392:A:ARG:HG2	1:392:A:ARG:HD3	15	0.36
(1,3432)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	19	0.36
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	20	0.36
(1,3394)	1:403:A:ILE:HD12	1:397:A:TYR:HA	3	0.36
(1,3394)	1:403:A:ILE:HD12	1:397:A:TYR:HA	7	0.36
(1,3394)	1:403:A:ILE:HD12	1:397:A:TYR:HA	15	0.36
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG23	13	0.36
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	16	0.36
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	15	0.36
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	12	0.36
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD12	17	0.36
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	2	0.36
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG21	17	0.36
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	8	0.36
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	17	0.36
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE3	15	0.36
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	15	0.36
(1,3296)	1:384:A:ASN:HB2	1:385:A:MET:HB3	20	0.36
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	4	0.36
(1,3274)	1:373:A:ALA:HB2	1:376:A:TRP:H	3	0.36
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	16	0.36
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	14	0.36
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	18	0.36
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	19	0.36
(1,3229)	1:366:A:ILE:HD11	1:412:A:LEU:HA	17	0.36
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	10	0.36
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	5	0.36
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	10	0.36
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	20	0.36
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	6	0.36
(1,3195)	1:363:A:ILE:HA	1:414:A:ARG:HD2	18	0.36
(1,3185)	1:361:A:SER:H	1:362:A:LYS:HA	17	0.36
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	20	0.36
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	16	0.36
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HD2	1	0.36
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HD2	6	0.36
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	4	0.36
(1,3133)	1:345:A:LEU:HD11	1:355:A:ARG:HB2	16	0.36
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	20	0.36
(1,3092)	1:345:A:LEU:HD11	1:344:A:LEU:H	8	0.36
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG23	7	0.36
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD13	5	0.36
(1,3038)	1:337:A:LEU:HD13	1:397:A:TYR:HB2	4	0.36
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	8	0.36
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD22	12	0.36
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	18	0.36
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	19	0.36
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG21	5	0.36
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG23	2	0.36
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG22	3	0.36
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG23	14	0.36
(1,2893)	1:411:A:LEU:HD13	1:411:A:LEU:H	14	0.36
(1,2893)	1:411:A:LEU:HD13	1:411:A:LEU:H	16	0.36
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD11	5	0.36
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD13	8	0.36
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD12	3	0.36
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD21	17	0.36
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG23	1	0.36
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG13	3	0.36
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD13	2	0.36
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD13	13	0.36
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD13	7	0.36
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD11	11	0.36
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD13	13	0.36
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD13	20	0.36
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD11	7	0.36
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD11	9	0.36
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	10	0.36
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	15	0.36
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	4	0.36
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	5	0.36
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	10	0.36
(1,2700)	1:406:A:GLU:H	1:406:A:GLU:HG3	5	0.36
(1,2700)	1:406:A:GLU:H	1:406:A:GLU:HG3	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	11	0.36
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	4	0.36
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	13	0.36
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	19	0.36
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	20	0.36
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	1	0.36
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	15	0.36
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD12	12	0.36
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	10	0.36
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	16	0.36
(1,2463)	1:362:A:LYS:H	1:362:A:LYS:HD2	14	0.36
(1,2454)	1:361:A:SER:H	1:360:A:GLU:HG3	13	0.36
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD11	7	0.36
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD13	15	0.36
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	11	0.36
(1,2331)	1:338:A:TRP:HE1	1:397:A:TYR:HE2	17	0.36
(1,2242)	1:394:A:LEU:HD22	1:341:A:VAL:HG12	2	0.36
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD13	1	0.36
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD11	8	0.36
(1,2240)	1:394:A:LEU:HD21	1:394:A:LEU:HD11	10	0.36
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD11	12	0.36
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD12	14	0.36
(1,2240)	1:394:A:LEU:HD21	1:394:A:LEU:HD13	19	0.36
(1,2240)	1:394:A:LEU:HD22	1:394:A:LEU:HD11	20	0.36
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD12	15	0.36
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD21	20	0.36
(1,2156)	1:336:A:LEU:HD22	1:338:A:TRP:HE1	4	0.36
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD12	11	0.36
(1,2086)	1:430:A:LEU:HD22	1:396:A:HIS:HB2	9	0.36
(1,2023)	1:428:A:ASP:HB2	1:429:A:ARG:HG3	3	0.36
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG23	10	0.36
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG22	15	0.36
(1,2017)	1:427:A:THR:HG21	1:338:A:TRP:HD1	1	0.36
(1,2017)	1:427:A:THR:HG22	1:338:A:TRP:HD1	14	0.36
(1,2016)	1:427:A:THR:HG22	1:430:A:LEU:H	17	0.36
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	4	0.36
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	10	0.36
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	13	0.36
(1,1959)	1:422:A:ILE:HG23	1:422:A:ILE:H	6	0.36
(1,1959)	1:422:A:ILE:HG22	1:422:A:ILE:H	10	0.36
(1,1959)	1:422:A:ILE:HG22	1:422:A:ILE:H	12	0.36
(1,1959)	1:422:A:ILE:HG23	1:422:A:ILE:H	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1879)	1:418:A:THR:HG21	1:419:A:PRO:HD3	17	0.36
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	13	0.36
(1,1842)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	16	0.36
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	7	0.36
(1,1784)	1:414:A:ARG:HB2	1:414:A:ARG:HE	10	0.36
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	9	0.36
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD22	18	0.36
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	7	0.36
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	11	0.36
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	12	0.36
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	19	0.36
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD13	12	0.36
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG22	2	0.36
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG21	17	0.36
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG22	1	0.36
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG21	3	0.36
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG22	8	0.36
(1,1479)	1:400:A:LEU:HD12	1:399:A:LYS:HE2	11	0.36
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	17	0.36
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD21	9	0.36
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	10	0.36
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	8	0.36
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	1	0.36
(1,1375)	1:392:A:ARG:HA	1:392:A:ARG:HG2	4	0.36
(1,1368)	1:391:A:SER:HB2	1:390:A:MET:H	8	0.36
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB1	17	0.36
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	1	0.36
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	15	0.36
(1,1203)	1:394:A:LEU:HD22	1:397:A:TYR:HB3	6	0.36
(1,1203)	1:394:A:LEU:HD21	1:397:A:TYR:HB3	13	0.36
(1,1203)	1:394:A:LEU:HD23	1:397:A:TYR:HB3	18	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	1	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	2	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	5	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	6	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	7	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	8	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	9	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	13	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	14	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	16	0.36
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	20	0.36
(1,1002)	1:355:A:ARG:HD2	1:367:A:VAL:HG23	20	0.36
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	18	0.36
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	6	0.36
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	14	0.36
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG21	17	0.36
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG21	18	0.36
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	9	0.36
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	5	0.36
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	5	0.36
(1,825)	1:363:A:ILE:H	1:361:A:SER:HB3	14	0.36
(1,803)	1:356:A:TRP:HZ2	1:359:A:LYS:HE2	17	0.36
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	5	0.36
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	3	0.36
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	6	0.36
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD13	7	0.36
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD13	19	0.36
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	5	0.36
(1,671)	1:345:A:LEU:HD13	1:354:A:ILE:HG13	8	0.36
(1,644)	1:354:A:ILE:HG21	1:366:A:ILE:HA	17	0.36
(1,642)	1:354:A:ILE:HG23	1:364:A:PHE:HD1	8	0.36
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG12	15	0.36
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD13	9	0.36
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD23	8	0.36
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD21	2	0.36
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD23	16	0.36
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD23	17	0.36
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD21	18	0.36
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD23	20	0.36
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	4	0.36
(1,379)	1:337:A:LEU:HD13	1:390:A:MET:HA	18	0.36
(1,379)	1:337:A:LEU:HD12	1:390:A:MET:HA	20	0.36
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	10	0.36
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	1	0.36
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	2	0.36
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	4	0.36
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	5	0.36
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	18	0.36
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	18	0.36
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	20	0.36
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	9	0.36
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD13	8	0.36
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	19	0.36
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB2	11	0.35
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	16	0.35
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	2	0.35
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	9	0.35
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	14	0.35
(1,3633)	1:343:A:GLN:HE22	1:335:A:ARG:HD2	8	0.35
(1,3572)	1:336:A:LEU:HD22	1:376:A:TRP:HH2	5	0.35
(1,3571)	1:336:A:LEU:HD22	1:376:A:TRP:HZ2	3	0.35
(1,3569)	1:430:A:LEU:HB2	1:336:A:LEU:HD13	9	0.35
(1,3555)	1:430:A:LEU:HD11	1:338:A:TRP:HB3	6	0.35
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	6	0.35
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	14	0.35
(1,3490)	1:416:A:MET:HB2	1:417:A:LYS:HB3	19	0.35
(1,3485)	1:415:A:PHE:HE2	1:415:A:PHE:HD2	14	0.35
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	1	0.35
(1,3432)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	17	0.35
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	11	0.35
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	8	0.35
(1,3394)	1:403:A:ILE:HD13	1:397:A:TYR:HA	2	0.35
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	4	0.35
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	5	0.35
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	9	0.35
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	14	0.35
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	15	0.35
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD13	20	0.35
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	12	0.35
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	20	0.35
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE3	20	0.35
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	12	0.35
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	19	0.35
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	14	0.35
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	10	0.35
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	13	0.35
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	7	0.35
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	8	0.35
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	11	0.35
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	14	0.35
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	15	0.35
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	13	0.35
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	17	0.35
(1,3191)	1:362:A:LYS:HG2	1:356:A:TRP:HZ3	9	0.35
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	8	0.35
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	11	0.35
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	11	0.35
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	3	0.35
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD22	2	0.35
(1,3133)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	3	0.35
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	11	0.35
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	12	0.35
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	19	0.35
(1,3092)	1:345:A:LEU:HD11	1:344:A:LEU:H	3	0.35
(1,3055)	1:338:A:TRP:HZ2	1:402:A:ILE:HG12	15	0.35
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD22	19	0.35
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	16	0.35
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	18	0.35
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD22	4	0.35
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD23	16	0.35
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD13	6	0.35
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG23	17	0.35
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG21	17	0.35
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG21	6	0.35
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG22	17	0.35
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG23	19	0.35
(1,2893)	1:411:A:LEU:HD11	1:411:A:LEU:H	3	0.35
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD12	9	0.35
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD11	18	0.35
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD13	17	0.35
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD11	1	0.35
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD12	10	0.35
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD11	15	0.35
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD11	18	0.35
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD11	19	0.35
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD21	4	0.35
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD21	14	0.35
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD21	20	0.35
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD12	2	0.35
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG12	2	0.35
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD11	18	0.35
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD12	19	0.35
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD13	2	0.35
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD11	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD13	13	0.35
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG21	13	0.35
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD13	6	0.35
(1,2840)	1:349:A:ARG:H	1:349:A:ARG:HD2	12	0.35
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	2	0.35
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	6	0.35
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	18	0.35
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	9	0.35
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	13	0.35
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	14	0.35
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	11	0.35
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	2	0.35
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	16	0.35
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	18	0.35
(1,2622)	1:391:A:SER:H	1:390:A:MET:HB2	20	0.35
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	17	0.35
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD21	20	0.35
(1,2251)	1:363:A:ILE:HD11	1:412:A:LEU:HD12	6	0.35
(1,2245)	1:402:A:ILE:HG21	1:403:A:ILE:HD12	8	0.35
(1,2242)	1:394:A:LEU:HD23	1:341:A:VAL:HG11	17	0.35
(1,2240)	1:394:A:LEU:HD23	1:394:A:LEU:HD13	7	0.35
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD22	15	0.35
(1,2230)	1:367:A:VAL:HG11	1:367:A:VAL:HG23	11	0.35
(1,2225)	1:394:A:LEU:HD21	1:366:A:ILE:HD11	5	0.35
(1,2225)	1:394:A:LEU:HD21	1:366:A:ILE:HD11	6	0.35
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	3	0.35
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD12	15	0.35
(1,2173)	1:375:A:LEU:HD22	1:353:A:PHE:HZ	11	0.35
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD23	1	0.35
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD21	4	0.35
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD23	6	0.35
(1,2156)	1:336:A:LEU:HD22	1:338:A:TRP:HE1	16	0.35
(1,2155)	1:336:A:LEU:HD13	1:431:A:GLU:HB2	16	0.35
(1,2086)	1:430:A:LEU:HD22	1:396:A:HIS:HB2	19	0.35
(1,2016)	1:427:A:THR:HG23	1:430:A:LEU:H	14	0.35
(1,1966)	1:422:A:ILE:HD12	1:338:A:TRP:HB3	16	0.35
(1,1959)	1:422:A:ILE:HG23	1:422:A:ILE:H	3	0.35
(1,1959)	1:422:A:ILE:HG23	1:422:A:ILE:H	4	0.35
(1,1959)	1:422:A:ILE:HG23	1:422:A:ILE:H	7	0.35
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	19	0.35
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	8	0.35
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD2	12	0.35
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	6	0.35
(1,1704)	1:410:A:ARG:HA	1:411:A:LEU:HD22	9	0.35
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	13	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	1	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	3	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	5	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	8	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	13	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	14	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	15	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	16	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	17	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	18	0.35
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	20	0.35
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD11	10	0.35
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG23	17	0.35
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG22	4	0.35
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD13	13	0.35
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	5	0.35
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	3	0.35
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	14	0.35
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	17	0.35
(1,1353)	1:390:A:MET:HB3	1:376:A:TRP:HB2	13	0.35
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB2	10	0.35
(1,1203)	1:394:A:LEU:HD22	1:397:A:TYR:HB3	1	0.35
(1,1203)	1:394:A:LEU:HD23	1:397:A:TYR:HB3	2	0.35
(1,1203)	1:394:A:LEU:HD23	1:397:A:TYR:HB3	11	0.35
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	10	0.35
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	11	0.35
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	12	0.35
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	15	0.35
(1,1080)	1:372:A:LEU:HA	1:372:A:LEU:HB3	19	0.35
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	7	0.35
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	11	0.35
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	4	0.35
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	10	0.35
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	19	0.35
(1,977)	1:366:A:ILE:HD11	1:337:A:LEU:HD13	13	0.35
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	3	0.35
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG23	5	0.35
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG23	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	20	0.35
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	16	0.35
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	5	0.35
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	15	0.35
(1,891)	1:363:A:ILE:H	1:363:A:ILE:HG12	16	0.35
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	6	0.35
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	1	0.35
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	6	0.35
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	7	0.35
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	11	0.35
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	13	0.35
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	18	0.35
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	19	0.35
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	4	0.35
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	8	0.35
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	14	0.35
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	16	0.35
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD12	8	0.35
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD11	16	0.35
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	11	0.35
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	1	0.35
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	4	0.35
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	12	0.35
(1,671)	1:345:A:LEU:HD11	1:354:A:ILE:HG13	12	0.35
(1,641)	1:354:A:ILE:HG23	1:345:A:LEU:H	15	0.35
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD11	4	0.35
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD11	7	0.35
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD11	12	0.35
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD11	19	0.35
(1,503)	1:344:A:LEU:HD13	1:375:A:LEU:HG	4	0.35
(1,503)	1:344:A:LEU:HD11	1:375:A:LEU:HG	14	0.35
(1,503)	1:344:A:LEU:HD12	1:375:A:LEU:HG	18	0.35
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD22	18	0.35
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD23	5	0.35
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD23	4	0.35
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD23	7	0.35
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD23	19	0.35
(1,375)	1:337:A:LEU:HD13	1:393:A:ALA:HB1	17	0.35
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	11	0.35
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	4	0.35
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	9	0.35
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	15	0.35
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	18	0.35
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	2	0.35
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	9	0.35
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	19	0.35
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	17	0.35
(1,62)	1:375:A:LEU:HD11	1:340:A:TYR:HE2	13	0.35
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	3	0.35
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	19	0.35
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD13	10	0.34
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	2	0.34
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	7	0.34
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG23	8	0.34
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	8	0.34
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	6	0.34
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	19	0.34
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	3	0.34
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	10	0.34
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	16	0.34
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	8	0.34
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	8	0.34
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	19	0.34
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	17	0.34
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	15	0.34
(1,3575)	1:353:A:PHE:HD2	1:353:A:PHE:HE2	13	0.34
(1,3542)	1:422:A:ILE:HD11	1:403:A:ILE:H	8	0.34
(1,3542)	1:422:A:ILE:HD13	1:403:A:ILE:H	12	0.34
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	12	0.34
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	4	0.34
(1,3518)	1:427:A:THR:HG23	1:431:A:GLU:HG3	8	0.34
(1,3518)	1:427:A:THR:HG23	1:431:A:GLU:HG3	14	0.34
(1,3446)	1:411:A:LEU:HD21	1:405:A:LYS:HE3	19	0.34
(1,3432)	1:429:A:ARG:HG3	1:429:A:ARG:HD2	5	0.34
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	9	0.34
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	18	0.34
(1,3393)	1:341:A:VAL:HG21	1:403:A:ILE:HG22	2	0.34
(1,3381)	1:400:A:LEU:HD12	1:429:A:ARG:HD3	7	0.34
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	6	0.34
(1,3371)	1:399:A:LYS:HG3	1:398:A:TYR:H	10	0.34
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	10	0.34
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	17	0.34
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	1	0.34
(1,3303)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	13	0.34
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	8	0.34
(1,3274)	1:373:A:ALA:HB2	1:376:A:TRP:H	12	0.34
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	1	0.34
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	14	0.34
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	11	0.34
(1,3229)	1:366:A:ILE:HD12	1:412:A:LEU:HA	11	0.34
(1,3229)	1:366:A:ILE:HD11	1:412:A:LEU:HA	15	0.34
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	6	0.34
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	9	0.34
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	3	0.34
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	18	0.34
(1,3207)	1:357:A:GLU:HG3	1:363:A:ILE:HG23	7	0.34
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH11	20	0.34
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	6	0.34
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	14	0.34
(1,3149)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	9	0.34
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	5	0.34
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	15	0.34
(1,3134)	1:390:A:MET:HB3	1:393:A:ALA:H	20	0.34
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	5	0.34
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	9	0.34
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	15	0.34
(1,3104)	1:351:A:GLU:HB2	1:348:A:SER:HB2	13	0.34
(1,3092)	1:345:A:LEU:HD12	1:344:A:LEU:H	7	0.34
(1,3090)	1:345:A:LEU:HD11	1:355:A:ARG:HB3	20	0.34
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	6	0.34
(1,2944)	1:415:A:PHE:HB3	1:356:A:TRP:HH2	11	0.34
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG23	9	0.34
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG22	11	0.34
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG21	20	0.34
(1,2893)	1:411:A:LEU:HD11	1:411:A:LEU:H	17	0.34
(1,2893)	1:411:A:LEU:HD12	1:411:A:LEU:H	19	0.34
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD12	6	0.34
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD11	7	0.34
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG21	11	0.34
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD21	1	0.34
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD12	7	0.34
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD11	15	0.34
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD11	17	0.34
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD12	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD13	4	0.34
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD12	12	0.34
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD11	15	0.34
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG23	1	0.34
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	5	0.34
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	13	0.34
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	17	0.34
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	14	0.34
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	1	0.34
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	8	0.34
(1,2637)	1:393:A:ALA:H	1:392:A:ARG:HB3	11	0.34
(1,2242)	1:394:A:LEU:HD22	1:341:A:VAL:HG11	19	0.34
(1,2225)	1:394:A:LEU:HD22	1:366:A:ILE:HD12	18	0.34
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	16	0.34
(1,2194)	1:395:A:ARG:HG2	1:395:A:ARG:HA	14	0.34
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD22	16	0.34
(1,2156)	1:336:A:LEU:HD21	1:338:A:TRP:HE1	7	0.34
(1,2086)	1:430:A:LEU:HD23	1:396:A:HIS:HB2	1	0.34
(1,2086)	1:430:A:LEU:HD21	1:396:A:HIS:HB2	8	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	1	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	2	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	3	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	4	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	5	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	6	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	10	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	11	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	12	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	13	0.34
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	18	0.34
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG22	16	0.34
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG22	19	0.34
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	13	0.34
(1,1966)	1:422:A:ILE:HD11	1:338:A:TRP:HB3	15	0.34
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	3	0.34
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	8	0.34
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	9	0.34
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	11	0.34
(1,1784)	1:414:A:ARG:HB2	1:414:A:ARG:HE	8	0.34
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD2	5	0.34
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	14	0.34
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD22	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	2	0.34
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	4	0.34
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	6	0.34
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	9	0.34
(1,1674)	1:407:A:PRO:HG2	1:407:A:PRO:HA	10	0.34
(1,1572)	1:404:A:ARG:H	1:403:A:ILE:HD11	17	0.34
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG22	19	0.34
(1,1530)	1:397:A:TYR:HB2	1:402:A:ILE:HG21	11	0.34
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD13	2	0.34
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD12	4	0.34
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD11	6	0.34
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD11	9	0.34
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD11	10	0.34
(1,1479)	1:400:A:LEU:HD11	1:399:A:LYS:HE2	8	0.34
(1,1479)	1:400:A:LEU:HD13	1:399:A:LYS:HE2	12	0.34
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	8	0.34
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	13	0.34
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	6	0.34
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	19	0.34
(1,1347)	1:390:A:MET:HG3	1:393:A:ALA:HB3	12	0.34
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG23	8	0.34
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	10	0.34
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	12	0.34
(1,1203)	1:394:A:LEU:HD21	1:397:A:TYR:HB3	15	0.34
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB3	9	0.34
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG3	1	0.34
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	4	0.34
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	5	0.34
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	11	0.34
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG21	1	0.34
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG22	9	0.34
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG23	11	0.34
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	14	0.34
(1,870)	1:415:A:PHE:HB3	1:362:A:LYS:HD3	7	0.34
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	8	0.34
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	11	0.34
(1,809)	1:392:A:ARG:HA	1:392:A:ARG:HD3	5	0.34
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	18	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	1	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	2	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	3	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	5	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	6	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	7	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	8	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	9	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	10	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	12	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	14	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	15	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	16	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	17	0.34
(1,780)	1:359:A:LYS:HA	1:359:A:LYS:HB3	20	0.34
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	8	0.34
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	9	0.34
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	1	0.34
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	17	0.34
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	1	0.34
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	14	0.34
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	13	0.34
(1,678)	1:355:A:ARG:HA	1:355:A:ARG:HG3	20	0.34
(1,671)	1:345:A:LEU:HD12	1:354:A:ILE:HG13	2	0.34
(1,671)	1:345:A:LEU:HD13	1:354:A:ILE:HG13	15	0.34
(1,671)	1:345:A:LEU:HD12	1:354:A:ILE:HG13	18	0.34
(1,641)	1:354:A:ILE:HG23	1:345:A:LEU:H	7	0.34
(1,641)	1:354:A:ILE:HG22	1:345:A:LEU:H	16	0.34
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD21	2	0.34
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD21	6	0.34
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD22	8	0.34
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD21	13	0.34
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD21	16	0.34
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	18	0.34
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	20	0.34
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	1	0.34
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	7	0.34
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	8	0.34
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	19	0.34
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	20	0.34
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	7	0.34
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	1	0.34
(1,171)	1:415:A:PHE:HB2	1:362:A:LYS:HB3	12	0.34
(1,165)	1:415:A:PHE:HB2	1:416:A:MET:H	15	0.34
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	18	0.34
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD13	3	0.34
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD11	5	0.34
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD11	12	0.34
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	6	0.34
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	14	0.34
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	12	0.34
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD12	13	0.33
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB2	17	0.33
(1,3703)	1:371:A:GLY:H	1:369:A:PRO:HD3	15	0.33
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG23	11	0.33
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	14	0.33
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	6	0.33
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	14	0.33
(1,3680)	1:365:A:ARG:H	1:358:A:ASP:H	9	0.33
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	6	0.33
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	17	0.33
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	5	0.33
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	18	0.33
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	3	0.33
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	12	0.33
(1,3582)	1:413:A:PHE:HD1	1:366:A:ILE:HD11	18	0.33
(1,3579)	1:410:A:ARG:HD2	1:410:A:ARG:HA	16	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	1	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	2	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	3	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	4	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	5	0.33
(1,3575)	1:353:A:PHE:HD2	1:353:A:PHE:HE2	6	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	7	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	8	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	9	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	10	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	11	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	12	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	14	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	15	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	16	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	17	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	18	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	19	0.33
(1,3575)	1:353:A:PHE:HD1	1:353:A:PHE:HE1	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3572)	1:336:A:LEU:HD23	1:376:A:TRP:HH2	19	0.33
(1,3571)	1:336:A:LEU:HD22	1:338:A:TRP:H	6	0.33
(1,3542)	1:422:A:ILE:HD11	1:403:A:ILE:H	18	0.33
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	13	0.33
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	18	0.33
(1,3506)	1:359:A:LYS:HG2	1:362:A:LYS:HE2	19	0.33
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	5	0.33
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	14	0.33
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	17	0.33
(1,3445)	1:411:A:LEU:HD21	1:369:A:PRO:HD3	4	0.33
(1,3445)	1:411:A:LEU:HD22	1:369:A:PRO:HD3	13	0.33
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD11	16	0.33
(1,3434)	1:355:A:ARG:HD2	1:351:A:GLU:HB2	2	0.33
(1,3432)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	1	0.33
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	7	0.33
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	6	0.33
(1,3394)	1:403:A:ILE:HD11	1:397:A:TYR:HA	18	0.33
(1,3393)	1:341:A:VAL:HG23	1:403:A:ILE:HG23	14	0.33
(1,3385)	1:401:A:ASN:HB2	1:402:A:ILE:HG13	17	0.33
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	9	0.33
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	5	0.33
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	7	0.33
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	14	0.33
(1,3303)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	19	0.33
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	5	0.33
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	13	0.33
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	3	0.33
(1,3292)	1:356:A:TRP:HD1	1:359:A:LYS:HE3	11	0.33
(1,3274)	1:373:A:ALA:HB2	1:376:A:TRP:H	4	0.33
(1,3274)	1:373:A:ALA:HB2	1:376:A:TRP:H	5	0.33
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD13	6	0.33
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	16	0.33
(1,3241)	1:369:A:PRO:HA	1:353:A:PHE:HB3	20	0.33
(1,3235)	1:367:A:VAL:HG21	1:352:A:ASN:HA	18	0.33
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	3	0.33
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	17	0.33
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	7	0.33
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	19	0.33
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	4	0.33
(1,3181)	1:361:A:SER:HB2	1:414:A:ARG:HH21	8	0.33
(1,3149)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	12	0.33
(1,3133)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3114)	1:337:A:LEU:HB2	1:393:A:ALA:H	9	0.33
(1,3105)	1:351:A:GLU:HG3	1:350:A:TYR:HA	7	0.33
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	10	0.33
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD21	2	0.33
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG22	4	0.33
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG23	18	0.33
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG22	7	0.33
(1,2894)	1:413:A:PHE:H	1:363:A:ILE:HG21	18	0.33
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD12	16	0.33
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD12	10	0.33
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD12	12	0.33
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD12	6	0.33
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD13	8	0.33
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD13	13	0.33
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD22	5	0.33
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD22	12	0.33
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD21	16	0.33
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG23	16	0.33
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	2	0.33
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD23	12	0.33
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD13	12	0.33
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD12	4	0.33
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD13	5	0.33
(1,2858)	1:412:A:LEU:HD22	1:365:A:ARG:H	2	0.33
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD11	1	0.33
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD11	8	0.33
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD11	10	0.33
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD12	11	0.33
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD13	14	0.33
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD11	19	0.33
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD11	10	0.33
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG22	3	0.33
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	1	0.33
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	3	0.33
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	11	0.33
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	18	0.33
(1,2815)	1:436:A:GLN:HE22	1:435:A:SER:HB3	20	0.33
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	1	0.33
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	12	0.33
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	6	0.33
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	7	0.33
(1,2637)	1:393:A:ALA:H	1:392:A:ARG:HB3	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	8	0.33
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	12	0.33
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD11	4	0.33
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD13	8	0.33
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD13	17	0.33
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	3	0.33
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	17	0.33
(1,2264)	1:376:A:TRP:HE1	1:380:A:LYS:HD2	1	0.33
(1,2256)	1:430:A:LEU:HD21	1:430:A:LEU:HD11	11	0.33
(1,2242)	1:394:A:LEU:HD23	1:341:A:VAL:HG13	16	0.33
(1,2225)	1:394:A:LEU:HD22	1:366:A:ILE:HD11	2	0.33
(1,2225)	1:394:A:LEU:HD22	1:366:A:ILE:HD13	3	0.33
(1,2159)	1:336:A:LEU:HD22	1:339:A:ASP:HB2	7	0.33
(1,2159)	1:336:A:LEU:HD21	1:339:A:ASP:HB2	17	0.33
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD12	12	0.33
(1,2103)	1:434:A:GLU:HB2	1:434:A:GLU:HG2	15	0.33
(1,2086)	1:430:A:LEU:HD21	1:396:A:HIS:HB2	13	0.33
(1,2086)	1:430:A:LEU:HD22	1:396:A:HIS:HB2	18	0.33
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	14	0.33
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	15	0.33
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	1	0.33
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	16	0.33
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG22	2	0.33
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG23	18	0.33
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	19	0.33
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	20	0.33
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	3	0.33
(1,1959)	1:422:A:ILE:HG23	1:422:A:ILE:H	2	0.33
(1,1959)	1:422:A:ILE:HG22	1:422:A:ILE:H	16	0.33
(1,1959)	1:422:A:ILE:HG21	1:422:A:ILE:H	17	0.33
(1,1959)	1:422:A:ILE:HG23	1:422:A:ILE:H	18	0.33
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG21	12	0.33
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	10	0.33
(1,1856)	1:417:A:LYS:HD2	1:422:A:ILE:HG13	10	0.33
(1,1848)	1:417:A:LYS:HG2	1:417:A:LYS:HA	12	0.33
(1,1842)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	17	0.33
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	19	0.33
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	18	0.33
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	10	0.33
(1,1784)	1:414:A:ARG:HB2	1:414:A:ARG:HE	13	0.33
(1,1710)	1:410:A:ARG:HB2	1:410:A:ARG:HD3	16	0.33
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1597)	1:405:A:LYS:HA	1:405:A:LYS:HD3	14	0.33
(1,1526)	1:402:A:ILE:HD12	1:422:A:ILE:HG21	1	0.33
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG22	14	0.33
(1,1526)	1:402:A:ILE:HD12	1:422:A:ILE:HG22	18	0.33
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG22	20	0.33
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD11	15	0.33
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD13	18	0.33
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD13	19	0.33
(1,1479)	1:400:A:LEU:HD11	1:399:A:LYS:HE2	7	0.33
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	11	0.33
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	2	0.33
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	19	0.33
(1,1203)	1:394:A:LEU:HD22	1:397:A:TYR:HB3	12	0.33
(1,1116)	1:373:A:ALA:HB3	1:385:A:MET:HG3	9	0.33
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	20	0.33
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	2	0.33
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD13	10	0.33
(1,992)	1:367:A:VAL:HG13	1:368:A:ASP:HA	3	0.33
(1,992)	1:367:A:VAL:HG11	1:368:A:ASP:HA	9	0.33
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD12	3	0.33
(1,977)	1:366:A:ILE:HD12	1:337:A:LEU:HD12	20	0.33
(1,969)	1:369:A:PRO:HG3	1:366:A:ILE:HG23	8	0.33
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	2	0.33
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	6	0.33
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	13	0.33
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	18	0.33
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	19	0.33
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD12	11	0.33
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	2	0.33
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	11	0.33
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	7	0.33
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	17	0.33
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	10	0.33
(1,736)	1:356:A:TRP:HZ3	1:364:A:PHE:HB2	18	0.33
(1,711)	1:356:A:TRP:HD1	1:359:A:LYS:HD3	17	0.33
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	9	0.33
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	12	0.33
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	3	0.33
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	14	0.33
(1,671)	1:345:A:LEU:HD11	1:354:A:ILE:HG13	6	0.33
(1,671)	1:345:A:LEU:HD11	1:354:A:ILE:HG13	7	0.33
(1,671)	1:345:A:LEU:HD13	1:354:A:ILE:HG13	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:345:A:LEU:HD12	1:354:A:ILE:HG13	16	0.33
(1,671)	1:345:A:LEU:HD12	1:354:A:ILE:HG13	20	0.33
(1,641)	1:354:A:ILE:HG23	1:345:A:LEU:H	9	0.33
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG11	18	0.33
(1,539)	1:345:A:LEU:HD13	1:354:A:ILE:HA	11	0.33
(1,539)	1:345:A:LEU:HD11	1:354:A:ILE:HA	12	0.33
(1,503)	1:344:A:LEU:HD12	1:375:A:LEU:HG	10	0.33
(1,503)	1:344:A:LEU:HD11	1:375:A:LEU:HG	15	0.33
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD22	9	0.33
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD21	9	0.33
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD21	11	0.33
(1,379)	1:337:A:LEU:HD11	1:390:A:MET:HA	8	0.33
(1,348)	1:335:A:ARG:HD2	1:343:A:GLN:HG2	4	0.33
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	9	0.33
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	6	0.33
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	13	0.33
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	16	0.33
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	17	0.33
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	13	0.33
(1,208)	1:340:A:TYR:HE2	1:340:A:TYR:HB2	12	0.33
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD12	2	0.33
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD11	4	0.33
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD13	10	0.33
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD13	17	0.33
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	12	0.33
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	17	0.33
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD13	17	0.32
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB1	5	0.32
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD23	4	0.32
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG21	18	0.32
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG23	12	0.32
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	17	0.32
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	18	0.32
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	7	0.32
(1,3633)	1:343:A:GLN:HE22	1:335:A:ARG:HD3	16	0.32
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD21	1	0.32
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	5	0.32
(1,3569)	1:336:A:LEU:HB2	1:336:A:LEU:HD13	20	0.32
(1,3518)	1:427:A:THR:HG23	1:431:A:GLU:HG3	2	0.32
(1,3518)	1:427:A:THR:HG23	1:431:A:GLU:HG3	3	0.32
(1,3492)	1:416:A:MET:HG3	1:404:A:ARG:HG2	1	0.32
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3476)	1:415:A:PHE:HE2	1:403:A:ILE:HG21	18	0.32
(1,3446)	1:411:A:LEU:HD23	1:405:A:LYS:HE3	8	0.32
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	3	0.32
(1,3432)	1:429:A:ARG:HG3	1:429:A:ARG:HD2	8	0.32
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	15	0.32
(1,3394)	1:403:A:ILE:HD13	1:397:A:TYR:HA	5	0.32
(1,3394)	1:403:A:ILE:HD11	1:397:A:TYR:HA	8	0.32
(1,3371)	1:399:A:LYS:HG3	1:398:A:TYR:H	18	0.32
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD12	7	0.32
(1,3322)	1:391:A:SER:HB3	1:395:A:ARG:HG2	13	0.32
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	18	0.32
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	13	0.32
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	17	0.32
(1,3306)	1:390:A:MET:HA	1:393:A:ALA:HB3	16	0.32
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	12	0.32
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	16	0.32
(1,3274)	1:373:A:ALA:HB3	1:376:A:TRP:H	10	0.32
(1,3274)	1:373:A:ALA:HB2	1:376:A:TRP:H	14	0.32
(1,3274)	1:373:A:ALA:HB2	1:376:A:TRP:H	17	0.32
(1,3274)	1:373:A:ALA:HB1	1:376:A:TRP:H	18	0.32
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	15	0.32
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	13	0.32
(1,3229)	1:366:A:ILE:HD12	1:412:A:LEU:HA	1	0.32
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	2	0.32
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	4	0.32
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	1	0.32
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	13	0.32
(1,3170)	1:405:A:LYS:HB2	1:404:A:ARG:HA	8	0.32
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	3	0.32
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	10	0.32
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	15	0.32
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	13	0.32
(1,3092)	1:345:A:LEU:HD12	1:344:A:LEU:H	5	0.32
(1,3092)	1:345:A:LEU:HD12	1:344:A:LEU:H	12	0.32
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG23	5	0.32
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG22	8	0.32
(1,3050)	1:338:A:TRP:HD1	1:336:A:LEU:HB2	8	0.32
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	2	0.32
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	6	0.32
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	11	0.32
(1,2893)	1:411:A:LEU:HD12	1:411:A:LEU:H	6	0.32
(1,2893)	1:411:A:LEU:HD12	1:411:A:LEU:H	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2883)	1:402:A:ILE:H	1:402:A:ILE:HD12	10	0.32
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD13	13	0.32
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD11	16	0.32
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD11	18	0.32
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD12	2	0.32
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD11	9	0.32
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD13	17	0.32
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD23	9	0.32
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG11	6	0.32
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG11	9	0.32
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG12	16	0.32
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD12	10	0.32
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD11	20	0.32
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD13	17	0.32
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD12	3	0.32
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD11	9	0.32
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG23	4	0.32
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	7	0.32
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD13	8	0.32
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD11	17	0.32
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD12	18	0.32
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	2	0.32
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	7	0.32
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	13	0.32
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	19	0.32
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD22	14	0.32
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD21	5	0.32
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	19	0.32
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	5	0.32
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	15	0.32
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD13	10	0.32
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	14	0.32
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD12	16	0.32
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD12	20	0.32
(1,2262)	1:336:A:LEU:HD13	1:430:A:LEU:HD12	8	0.32
(1,2256)	1:430:A:LEU:HD22	1:430:A:LEU:HD11	4	0.32
(1,2256)	1:430:A:LEU:HD23	1:430:A:LEU:HD11	13	0.32
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD12	12	0.32
(1,2237)	1:375:A:LEU:HD11	1:375:A:LEU:HD21	3	0.32
(1,2228)	1:366:A:ILE:HG22	1:411:A:LEU:HD23	17	0.32
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD21	2	0.32
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD21	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD23	18	0.32
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD13	3	0.32
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD11	19	0.32
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	18	0.32
(1,2103)	1:434:A:GLU:HB2	1:434:A:GLU:HG2	18	0.32
(1,2086)	1:430:A:LEU:HD22	1:396:A:HIS:HB2	3	0.32
(1,2065)	1:431:A:GLU:HG2	1:428:A:ASP:HA	8	0.32
(1,2065)	1:431:A:GLU:HG2	1:428:A:ASP:HA	20	0.32
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	12	0.32
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	13	0.32
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG22	3	0.32
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG21	7	0.32
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG22	12	0.32
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG21	17	0.32
(1,1959)	1:422:A:ILE:HG21	1:422:A:ILE:H	20	0.32
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG21	6	0.32
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG21	8	0.32
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG23	10	0.32
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG22	13	0.32
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG23	16	0.32
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG22	20	0.32
(1,1879)	1:418:A:THR:HG23	1:419:A:PRO:HD3	15	0.32
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	4	0.32
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	15	0.32
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	9	0.32
(1,1629)	1:405:A:LYS:HD3	1:405:A:LYS:HE2	2	0.32
(1,1629)	1:405:A:LYS:HD3	1:405:A:LYS:HE2	5	0.32
(1,1629)	1:405:A:LYS:HD3	1:405:A:LYS:HE2	19	0.32
(1,1526)	1:402:A:ILE:HD12	1:422:A:ILE:HG22	2	0.32
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	3	0.32
(1,1454)	1:399:A:LYS:HA	1:400:A:LEU:HD22	18	0.32
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	6	0.32
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	8	0.32
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	13	0.32
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	12	0.32
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	16	0.32
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	20	0.32
(1,1203)	1:394:A:LEU:HD21	1:397:A:TYR:HB3	4	0.32
(1,1203)	1:394:A:LEU:HD21	1:397:A:TYR:HB3	14	0.32
(1,1203)	1:394:A:LEU:HD23	1:397:A:TYR:HB3	19	0.32
(1,1203)	1:394:A:LEU:HD21	1:397:A:TYR:HB3	20	0.32
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG2	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG21	2	0.32
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	10	0.32
(1,992)	1:367:A:VAL:HG13	1:368:A:ASP:HA	7	0.32
(1,977)	1:366:A:ILE:HD12	1:337:A:LEU:HD13	18	0.32
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	4	0.32
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	5	0.32
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD11	15	0.32
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	16	0.32
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	10	0.32
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	4	0.32
(1,794)	1:359:A:LYS:HA	1:359:A:LYS:HD3	17	0.32
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	5	0.32
(1,711)	1:356:A:TRP:HD1	1:359:A:LYS:HD3	15	0.32
(1,692)	1:355:A:ARG:HD2	1:355:A:ARG:HA	7	0.32
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	9	0.32
(1,671)	1:345:A:LEU:HD13	1:354:A:ILE:HG13	3	0.32
(1,671)	1:345:A:LEU:HD11	1:354:A:ILE:HG13	4	0.32
(1,671)	1:345:A:LEU:HD11	1:354:A:ILE:HG13	5	0.32
(1,644)	1:354:A:ILE:HG23	1:366:A:ILE:HA	11	0.32
(1,612)	1:351:A:GLU:HG2	1:352:A:ASN:H	4	0.32
(1,597)	1:349:A:ARG:HD2	1:349:A:ARG:HB2	1	0.32
(1,539)	1:345:A:LEU:HD12	1:354:A:ILE:HA	2	0.32
(1,539)	1:345:A:LEU:HD13	1:354:A:ILE:HA	3	0.32
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD12	1	0.32
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD21	11	0.32
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD21	12	0.32
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD22	15	0.32
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD23	17	0.32
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD21	16	0.32
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD23	3	0.32
(1,388)	1:337:A:LEU:HB3	1:337:A:LEU:HD22	12	0.32
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	3	0.32
(1,344)	1:335:A:ARG:HB3	1:335:A:ARG:HG2	4	0.32
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	6	0.32
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	19	0.32
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	20	0.32
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	10	0.32
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	11	0.32
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB2	5	0.32
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB3	9	0.32
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB3	18	0.32
(1,179)	1:414:A:ARG:H	1:413:A:PHE:HB2	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:364:A:PHE:HD1	1:364:A:PHE:HB3	8	0.32
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD11	7	0.32
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD13	9	0.32
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD12	16	0.32
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD12	18	0.32
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD12	20	0.32
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG22	2	0.32
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	4	0.32
(1,82)	1:432:A:HIS:HD2	1:431:A:GLU:HB2	15	0.32
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB2	3	0.32
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	10	0.32
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	2	0.32
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	8	0.32
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD13	1	0.31
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD12	15	0.31
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD12	20	0.31
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB1	6	0.31
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD12	2	0.31
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD21	3	0.31
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD21	11	0.31
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	19	0.31
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	7	0.31
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	13	0.31
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	20	0.31
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	12	0.31
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	4	0.31
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	5	0.31
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	20	0.31
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	10	0.31
(1,3587)	1:397:A:TYR:HD1	1:402:A:ILE:HB	20	0.31
(1,3584)	1:365:A:ARG:HD3	1:412:A:LEU:H	4	0.31
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD11	6	0.31
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD11	12	0.31
(1,3580)	1:397:A:TYR:HA	1:397:A:TYR:HB2	3	0.31
(1,3580)	1:381:A:ASN:HB2	1:381:A:ASN:HA	4	0.31
(1,3580)	1:397:A:TYR:HA	1:397:A:TYR:HB2	5	0.31
(1,3580)	1:381:A:ASN:HB2	1:381:A:ASN:HA	7	0.31
(1,3580)	1:381:A:ASN:HB2	1:381:A:ASN:HA	11	0.31
(1,3580)	1:397:A:TYR:HA	1:397:A:TYR:HB2	13	0.31
(1,3580)	1:397:A:TYR:HA	1:397:A:TYR:HB2	16	0.31
(1,3580)	1:397:A:TYR:HA	1:397:A:TYR:HB2	18	0.31
(1,3569)	1:430:A:LEU:HB2	1:336:A:LEU:HD11	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3563)	1:434:A:GLU:HG2	1:393:A:ALA:HB1	8	0.31
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	3	0.31
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	7	0.31
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	10	0.31
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	18	0.31
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	9	0.31
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	3	0.31
(1,3490)	1:416:A:MET:HB3	1:417:A:LYS:HG2	14	0.31
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD12	7	0.31
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	10	0.31
(1,3394)	1:403:A:ILE:HD11	1:397:A:TYR:HA	1	0.31
(1,3393)	1:341:A:VAL:HG23	1:403:A:ILE:HG23	3	0.31
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG23	18	0.31
(1,3365)	1:398:A:TYR:HA	1:402:A:ILE:HB	16	0.31
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	16	0.31
(1,3345)	1:394:A:LEU:HD21	1:403:A:ILE:HD12	4	0.31
(1,3345)	1:394:A:LEU:HD23	1:403:A:ILE:HD13	11	0.31
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD12	10	0.31
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	1	0.31
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE3	18	0.31
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	4	0.31
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	6	0.31
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	18	0.31
(1,3292)	1:356:A:TRP:HD1	1:359:A:LYS:HE3	6	0.31
(1,3261)	1:375:A:LEU:H	1:372:A:LEU:HD12	5	0.31
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	2	0.31
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	3	0.31
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	11	0.31
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	17	0.31
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	7	0.31
(1,3229)	1:366:A:ILE:HD12	1:412:A:LEU:HA	12	0.31
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	13	0.31
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	20	0.31
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	5	0.31
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	2	0.31
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	3	0.31
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	11	0.31
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	14	0.31
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	4	0.31
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	1	0.31
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	8	0.31
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	19	0.31
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	10	0.31
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	2	0.31
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	7	0.31
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HD2	14	0.31
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	17	0.31
(1,3137)	1:355:A:ARG:H	1:355:A:ARG:HD3	10	0.31
(1,3134)	1:389:A:LYS:HB2	1:393:A:ALA:H	16	0.31
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD23	14	0.31
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	6	0.31
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG22	6	0.31
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD13	2	0.31
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD11	7	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	1	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	3	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	4	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	5	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	12	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	13	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	14	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	15	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	16	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	18	0.31
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	19	0.31
(1,2961)	1:340:A:TYR:HD1	1:379:A:HIS:HE1	3	0.31
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	9	0.31
(1,2893)	1:411:A:LEU:HD11	1:411:A:LEU:H	1	0.31
(1,2893)	1:411:A:LEU:HD12	1:411:A:LEU:H	11	0.31
(1,2893)	1:411:A:LEU:HD13	1:411:A:LEU:H	20	0.31
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD12	2	0.31
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG23	14	0.31
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG11	4	0.31
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG13	18	0.31
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG11	19	0.31
(1,2862)	1:366:A:ILE:H	1:366:A:ILE:HD12	11	0.31
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD13	10	0.31
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD11	15	0.31
(1,2858)	1:412:A:LEU:HD23	1:365:A:ARG:H	1	0.31
(1,2858)	1:412:A:LEU:HD23	1:365:A:ARG:H	6	0.31
(1,2858)	1:412:A:LEU:HD21	1:365:A:ARG:H	9	0.31
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD13	5	0.31
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD12	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD13	16	0.31
(1,2854)	1:361:A:SER:H	1:363:A:ILE:HD12	18	0.31
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD12	18	0.31
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	16	0.31
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	10	0.31
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	11	0.31
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD21	7	0.31
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	15	0.31
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	16	0.31
(1,2689)	1:404:A:ARG:H	1:404:A:ARG:HB2	9	0.31
(1,2597)	1:384:A:ASN:HD22	1:383:A:THR:HG23	14	0.31
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD13	5	0.31
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD11	15	0.31
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	10	0.31
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	1	0.31
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	7	0.31
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	11	0.31
(1,2454)	1:361:A:SER:H	1:360:A:GLU:HG2	17	0.31
(1,2385)	1:351:A:GLU:H	1:351:A:GLU:HB3	4	0.31
(1,2295)	1:413:A:PHE:H	1:413:A:PHE:HE1	8	0.31
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD23	2	0.31
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD21	18	0.31
(1,2256)	1:430:A:LEU:HD23	1:430:A:LEU:HD13	17	0.31
(1,2251)	1:363:A:ILE:HD13	1:412:A:LEU:HD11	8	0.31
(1,2237)	1:375:A:LEU:HD12	1:375:A:LEU:HD23	13	0.31
(1,2237)	1:375:A:LEU:HD12	1:375:A:LEU:HD22	16	0.31
(1,2228)	1:366:A:ILE:HG23	1:411:A:LEU:HD22	7	0.31
(1,2228)	1:366:A:ILE:HG21	1:411:A:LEU:HD22	12	0.31
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD11	13	0.31
(1,2225)	1:394:A:LEU:HD22	1:366:A:ILE:HD13	19	0.31
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	13	0.31
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD23	14	0.31
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD21	14	0.31
(1,2147)	1:336:A:LEU:HD11	1:338:A:TRP:HZ2	17	0.31
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD13	17	0.31
(1,2086)	1:430:A:LEU:HD22	1:396:A:HIS:HB2	20	0.31
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG21	1	0.31
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG22	6	0.31
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG22	8	0.31
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG21	11	0.31
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG22	13	0.31
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG22	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG21	20	0.31
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG23	5	0.31
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	14	0.31
(1,1967)	1:417:A:LYS:HB2	1:422:A:ILE:HD11	19	0.31
(1,1959)	1:422:A:ILE:HG23	1:422:A:ILE:H	8	0.31
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG23	1	0.31
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG21	3	0.31
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG23	9	0.31
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG22	11	0.31
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	3	0.31
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	5	0.31
(1,1856)	1:417:A:LYS:HD2	1:422:A:ILE:HG13	11	0.31
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	1	0.31
(1,1753)	1:412:A:LEU:HB2	1:406:A:GLU:HG3	8	0.31
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	8	0.31
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	3	0.31
(1,1629)	1:405:A:LYS:HD3	1:405:A:LYS:HE2	4	0.31
(1,1629)	1:405:A:LYS:HD3	1:405:A:LYS:HE2	9	0.31
(1,1629)	1:405:A:LYS:HD3	1:405:A:LYS:HE2	14	0.31
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD11	3	0.31
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	7	0.31
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	18	0.31
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	7	0.31
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	19	0.31
(1,1378)	1:392:A:ARG:HA	1:392:A:ARG:HD2	4	0.31
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	17	0.31
(1,1331)	1:389:A:LYS:HB3	1:389:A:LYS:HD2	16	0.31
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	18	0.31
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	15	0.31
(1,1203)	1:394:A:LEU:HD22	1:397:A:TYR:HB3	7	0.31
(1,1203)	1:394:A:LEU:HD21	1:397:A:TYR:HB3	17	0.31
(1,1133)	1:374:A:ARG:HB2	1:374:A:ARG:HD2	13	0.31
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG3	3	0.31
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG3	7	0.31
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	18	0.31
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG21	12	0.31
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	16	0.31
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD13	7	0.31
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD12	16	0.31
(1,992)	1:367:A:VAL:HG12	1:368:A:ASP:HA	8	0.31
(1,992)	1:367:A:VAL:HG12	1:368:A:ASP:HA	14	0.31
(1,992)	1:367:A:VAL:HG13	1:368:A:ASP:HA	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	12	0.31
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD11	9	0.31
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	14	0.31
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD2	16	0.31
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	3	0.31
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	4	0.31
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	12	0.31
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	20	0.31
(1,771)	1:358:A:ASP:HB3	1:363:A:ILE:HB	15	0.31
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	2	0.31
(1,671)	1:345:A:LEU:HD12	1:354:A:ILE:HG13	1	0.31
(1,671)	1:345:A:LEU:HD13	1:354:A:ILE:HG13	11	0.31
(1,671)	1:345:A:LEU:HD12	1:354:A:ILE:HG13	14	0.31
(1,671)	1:345:A:LEU:HD11	1:354:A:ILE:HG13	19	0.31
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG3	3	0.31
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG3	4	0.31
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	2	0.31
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD11	5	0.31
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD12	14	0.31
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD23	18	0.31
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD23	19	0.31
(1,464)	1:343:A:GLN:HE21	1:343:A:GLN:HG2	17	0.31
(1,375)	1:337:A:LEU:HD13	1:393:A:ALA:HB3	5	0.31
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	2	0.31
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	5	0.31
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	7	0.31
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	2	0.31
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	3	0.31
(1,311)	1:398:A:TYR:HB2	1:398:A:TYR:HD1	14	0.31
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB1	2	0.31
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB2	3	0.31
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	17	0.31
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	5	0.31
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD12	13	0.31
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD13	15	0.31
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	1	0.31
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG21	3	0.31
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	13	0.31
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	2	0.31
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	7	0.31
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	8	0.31
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	20	0.31
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	1	0.31
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	11	0.31
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD21	7	0.3
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD23	9	0.3
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG21	1	0.3
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	15	0.3
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	17	0.3
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	20	0.3
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	1	0.3
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	14	0.3
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	16	0.3
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	1	0.3
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	11	0.3
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	18	0.3
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD11	20	0.3
(1,3582)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	12	0.3
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	2	0.3
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD21	11	0.3
(1,3580)	1:381:A:ASN:HB2	1:381:A:ASN:HA	15	0.3
(1,3580)	1:397:A:TYR:HA	1:397:A:TYR:HB2	20	0.3
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	3	0.3
(1,3569)	1:430:A:LEU:HB2	1:336:A:LEU:HD11	14	0.3
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	19	0.3
(1,3520)	1:419:A:PRO:HA	1:338:A:TRP:HE3	2	0.3
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	4	0.3
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	9	0.3
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	11	0.3
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	11	0.3
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	20	0.3
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	6	0.3
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	3	0.3
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	6	0.3
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	7	0.3
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	16	0.3
(1,3451)	1:412:A:LEU:HD12	1:365:A:ARG:HD3	7	0.3
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	2	0.3
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	5	0.3
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	17	0.3
(1,3424)	1:409:A:GLN:HB3	1:412:A:LEU:HD23	5	0.3
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	19	0.3
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3394)	1:403:A:ILE:HD13	1:397:A:TYR:HA	11	0.3
(1,3394)	1:403:A:ILE:HD13	1:397:A:TYR:HA	13	0.3
(1,3394)	1:403:A:ILE:HD12	1:397:A:TYR:HA	17	0.3
(1,3393)	1:341:A:VAL:HG21	1:403:A:ILE:HG22	11	0.3
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD11	9	0.3
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	11	0.3
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD3	17	0.3
(1,3322)	1:391:A:SER:HB3	1:395:A:ARG:HG2	19	0.3
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	10	0.3
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	15	0.3
(1,3274)	1:373:A:ALA:HB2	1:376:A:TRP:H	15	0.3
(1,3268)	1:372:A:LEU:HD21	1:375:A:LEU:HB2	19	0.3
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	19	0.3
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	5	0.3
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	13	0.3
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	2	0.3
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	17	0.3
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	1	0.3
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	9	0.3
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	6	0.3
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	16	0.3
(1,3207)	1:357:A:GLU:HG3	1:363:A:ILE:HG22	10	0.3
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	18	0.3
(1,3178)	1:356:A:TRP:HE3	1:359:A:LYS:HD2	2	0.3
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	16	0.3
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	7	0.3
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	20	0.3
(1,3146)	1:376:A:TRP:HB3	1:380:A:LYS:HE2	20	0.3
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HD2	11	0.3
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	4	0.3
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	14	0.3
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	5	0.3
(1,3133)	1:345:A:LEU:HD13	1:355:A:ARG:HB2	12	0.3
(1,3126)	1:403:A:ILE:HG12	1:415:A:PHE:HE1	1	0.3
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	14	0.3
(1,3092)	1:345:A:LEU:HD13	1:344:A:LEU:H	16	0.3
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG21	13	0.3
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	16	0.3
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	19	0.3
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD23	16	0.3
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD13	1	0.3
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD13	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3029)	1:379:A:HIS:HE1	1:335:A:ARG:HG2	4	0.3
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	10	0.3
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	7	0.3
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	8	0.3
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	9	0.3
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	17	0.3
(1,2972)	1:342:A:TYR:HE2	1:342:A:TYR:HB2	20	0.3
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD22	14	0.3
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD23	19	0.3
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	2	0.3
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD11	4	0.3
(1,2893)	1:411:A:LEU:HD12	1:411:A:LEU:H	15	0.3
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD13	11	0.3
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD11	1	0.3
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD12	11	0.3
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD12	4	0.3
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD11	14	0.3
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD11	16	0.3
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD12	20	0.3
(1,2878)	1:394:A:LEU:H	1:394:A:LEU:HD23	11	0.3
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB1	16	0.3
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG23	3	0.3
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG13	13	0.3
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG12	14	0.3
(1,2858)	1:412:A:LEU:HD21	1:365:A:ARG:H	3	0.3
(1,2858)	1:412:A:LEU:HD23	1:365:A:ARG:H	14	0.3
(1,2858)	1:412:A:LEU:HD22	1:365:A:ARG:H	19	0.3
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD13	16	0.3
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG21	15	0.3
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD11	20	0.3
(1,2831)	1:388:A:GLU:H	1:388:A:GLU:HG2	19	0.3
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD12	1	0.3
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD11	19	0.3
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	20	0.3
(1,2784)	1:426:A:ARG:H	1:426:A:ARG:HG2	19	0.3
(1,2698)	1:406:A:GLU:H	1:405:A:LYS:HG2	2	0.3
(1,2637)	1:393:A:ALA:H	1:392:A:ARG:HB3	4	0.3
(1,2597)	1:384:A:ASN:HD22	1:383:A:THR:HG21	11	0.3
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	16	0.3
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	3	0.3
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	20	0.3
(1,2245)	1:402:A:ILE:HG21	1:403:A:ILE:HD13	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2245)	1:402:A:ILE:HG22	1:403:A:ILE:HD11	20	0.3
(1,2237)	1:375:A:LEU:HD13	1:375:A:LEU:HD21	4	0.3
(1,2237)	1:375:A:LEU:HD12	1:375:A:LEU:HD23	12	0.3
(1,2235)	1:354:A:ILE:HD12	1:372:A:LEU:HD22	19	0.3
(1,2225)	1:394:A:LEU:HD22	1:366:A:ILE:HD13	11	0.3
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	9	0.3
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD13	10	0.3
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD22	15	0.3
(1,2103)	1:434:A:GLU:HB2	1:434:A:GLU:HG2	12	0.3
(1,2103)	1:434:A:GLU:HB2	1:434:A:GLU:HG2	20	0.3
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	4	0.3
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG23	4	0.3
(1,2017)	1:427:A:THR:HG23	1:338:A:TRP:HD1	4	0.3
(1,2017)	1:427:A:THR:HG21	1:338:A:TRP:HD1	7	0.3
(1,2016)	1:427:A:THR:HG21	1:430:A:LEU:H	15	0.3
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	1	0.3
(1,1971)	1:423:A:MET:HA	1:423:A:MET:HG3	4	0.3
(1,1967)	1:417:A:LYS:HB2	1:422:A:ILE:HD12	12	0.3
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG21	2	0.3
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG21	7	0.3
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG22	14	0.3
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG21	15	0.3
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG21	18	0.3
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG23	19	0.3
(1,1833)	1:416:A:MET:HG3	1:402:A:ILE:HA	13	0.3
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	6	0.3
(1,1638)	1:406:A:GLU:HG3	1:413:A:PHE:HA	9	0.3
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG22	10	0.3
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG21	3	0.3
(1,1478)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	16	0.3
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	18	0.3
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	5	0.3
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	9	0.3
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	9	0.3
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	19	0.3
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	1	0.3
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	12	0.3
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	14	0.3
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	20	0.3
(1,1384)	1:434:A:GLU:HG2	1:393:A:ALA:HB1	8	0.3
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	7	0.3
(1,1308)	1:388:A:GLU:HA	1:388:A:GLU:HG3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:384:A:ASN:HB2	1:382:A:ARG:HB2	5	0.3
(1,1245)	1:382:A:ARG:HB2	1:382:A:ARG:HD2	19	0.3
(1,1203)	1:394:A:LEU:HD22	1:397:A:TYR:HB3	5	0.3
(1,1203)	1:394:A:LEU:HD23	1:397:A:TYR:HB3	10	0.3
(1,1203)	1:394:A:LEU:HD21	1:397:A:TYR:HB3	16	0.3
(1,1132)	1:374:A:ARG:HB3	1:374:A:ARG:HD3	1	0.3
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	3	0.3
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	4	0.3
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG23	8	0.3
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG21	15	0.3
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG21	18	0.3
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	19	0.3
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD11	15	0.3
(1,1004)	1:367:A:VAL:HG22	1:365:A:ARG:HB3	15	0.3
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	3	0.3
(1,992)	1:367:A:VAL:HG11	1:368:A:ASP:HA	4	0.3
(1,992)	1:367:A:VAL:HG11	1:368:A:ASP:HA	6	0.3
(1,992)	1:367:A:VAL:HG13	1:368:A:ASP:HA	11	0.3
(1,992)	1:367:A:VAL:HG12	1:368:A:ASP:HA	16	0.3
(1,992)	1:367:A:VAL:HG11	1:368:A:ASP:HA	19	0.3
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD12	7	0.3
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	7	0.3
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	14	0.3
(1,906)	1:363:A:ILE:HD11	1:363:A:ILE:HG13	5	0.3
(1,906)	1:363:A:ILE:HD12	1:363:A:ILE:HG13	18	0.3
(1,906)	1:363:A:ILE:HD11	1:363:A:ILE:HG13	19	0.3
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD13	5	0.3
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD3	17	0.3
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	5	0.3
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	15	0.3
(1,825)	1:363:A:ILE:H	1:361:A:SER:HB3	8	0.3
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	19	0.3
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB2	11	0.3
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	3	0.3
(1,809)	1:392:A:ARG:HA	1:392:A:ARG:HD2	3	0.3
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	10	0.3
(1,771)	1:358:A:ASP:HB3	1:363:A:ILE:HB	14	0.3
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	10	0.3
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	14	0.3
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD12	15	0.3
(1,694)	1:426:A:ARG:HD3	1:401:A:ASN:HD21	10	0.3
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	12	0.3
(1,671)	1:345:A:LEU:HD12	1:354:A:ILE:HG13	13	0.3
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	1	0.3
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	6	0.3
(1,539)	1:345:A:LEU:HD13	1:354:A:ILE:HA	17	0.3
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD13	11	0.3
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	9	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD23	1	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD22	2	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD22	3	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD21	4	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD21	5	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD21	6	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD23	9	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD23	10	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD22	13	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD21	19	0.3
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD22	20	0.3
(1,503)	1:344:A:LEU:HD13	1:375:A:LEU:HG	6	0.3
(1,503)	1:344:A:LEU:HD12	1:375:A:LEU:HG	20	0.3
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD22	1	0.3
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD21	15	0.3
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD21	7	0.3
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD22	12	0.3
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	10	0.3
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	13	0.3
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	8	0.3
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	14	0.3
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD11	6	0.3
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD13	11	0.3
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD12	14	0.3
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD11	19	0.3
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG21	9	0.3
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB2	11	0.3
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	16	0.3
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	18	0.3
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	17	0.29
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD13	12	0.29
(1,3715)	1:401:A:ASN:HD21	1:426:A:ARG:HB2	6	0.29
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD21	14	0.29
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD22	18	0.29
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	10	0.29
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	20	0.29
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	6	0.29
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	19	0.29
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	14	0.29
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	3	0.29
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	4	0.29
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	13	0.29
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	2	0.29
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	20	0.29
(1,3582)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	1	0.29
(1,3582)	1:413:A:PHE:HD1	1:366:A:ILE:HD13	5	0.29
(1,3582)	1:403:A:ILE:HG23	1:413:A:PHE:HD2	9	0.29
(1,3582)	1:403:A:ILE:HG23	1:413:A:PHE:HD2	17	0.29
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	6	0.29
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	17	0.29
(1,3569)	1:430:A:LEU:HB2	1:336:A:LEU:HD11	1	0.29
(1,3569)	1:430:A:LEU:HB2	1:336:A:LEU:HD11	11	0.29
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	8	0.29
(1,3488)	1:403:A:ILE:HG22	1:415:A:PHE:HD2	9	0.29
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD1	11	0.29
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	20	0.29
(1,3434)	1:355:A:ARG:HD3	1:351:A:GLU:HB2	15	0.29
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	19	0.29
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	12	0.29
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	19	0.29
(1,3394)	1:403:A:ILE:HD13	1:397:A:TYR:HA	14	0.29
(1,3394)	1:403:A:ILE:HD12	1:397:A:TYR:HA	19	0.29
(1,3394)	1:403:A:ILE:HD13	1:397:A:TYR:HA	20	0.29
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	13	0.29
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD13	13	0.29
(1,3335)	1:392:A:ARG:HB2	1:392:A:ARG:HD3	9	0.29
(1,3321)	1:391:A:SER:HB2	1:394:A:LEU:HB3	20	0.29
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	17	0.29
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	8	0.29
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	9	0.29
(1,3274)	1:373:A:ALA:HB1	1:376:A:TRP:H	13	0.29
(1,3274)	1:373:A:ALA:HB1	1:376:A:TRP:H	19	0.29
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	20	0.29
(1,3268)	1:372:A:LEU:HD22	1:375:A:LEU:HB2	10	0.29
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	12	0.29
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	4	0.29
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	9	0.29
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	10	0.29
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	12	0.29
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	15	0.29
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	4	0.29
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	17	0.29
(1,3216)	1:365:A:ARG:HG2	1:412:A:LEU:HA	9	0.29
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	11	0.29
(1,3187)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	18	0.29
(1,3187)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	19	0.29
(1,3178)	1:356:A:TRP:HE3	1:359:A:LYS:HD2	6	0.29
(1,3159)	1:341:A:VAL:H	1:335:A:ARG:HB3	12	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	1	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	2	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	5	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	6	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	10	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	11	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	12	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	13	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	18	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	19	0.29
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	20	0.29
(1,3133)	1:345:A:LEU:HD13	1:355:A:ARG:HB2	19	0.29
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	18	0.29
(1,3091)	1:345:A:LEU:HD13	1:364:A:PHE:HZ	15	0.29
(1,3075)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	12	0.29
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD23	13	0.29
(1,3029)	1:379:A:HIS:HE1	1:335:A:ARG:HG3	14	0.29
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	3	0.29
(1,2983)	1:350:A:TYR:HE1	1:349:A:ARG:HD3	5	0.29
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	19	0.29
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	11	0.29
(1,2912)	1:375:A:LEU:HB2	1:376:A:TRP:HB3	2	0.29
(1,2912)	1:375:A:LEU:HB2	1:376:A:TRP:HB3	5	0.29
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG21	14	0.29
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD12	19	0.29
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD12	3	0.29
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD12	4	0.29
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD12	12	0.29
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD23	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD13	19	0.29
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG11	1	0.29
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG13	5	0.29
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG13	7	0.29
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG12	8	0.29
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG11	10	0.29
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG13	11	0.29
(1,2858)	1:412:A:LEU:HD23	1:365:A:ARG:H	16	0.29
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD12	10	0.29
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG22	5	0.29
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD11	13	0.29
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD13	15	0.29
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD11	10	0.29
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD12	12	0.29
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD13	13	0.29
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD12	16	0.29
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	9	0.29
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	14	0.29
(1,2784)	1:426:A:ARG:H	1:426:A:ARG:HG2	20	0.29
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD22	9	0.29
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	9	0.29
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD12	14	0.29
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD13	17	0.29
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD12	18	0.29
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD11	20	0.29
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	7	0.29
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	5	0.29
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD13	3	0.29
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	1	0.29
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	10	0.29
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD21	5	0.29
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD21	15	0.29
(1,2259)	1:433:A:LEU:HD11	1:433:A:LEU:HD23	17	0.29
(1,2245)	1:402:A:ILE:HG23	1:403:A:ILE:HD12	9	0.29
(1,2243)	1:400:A:LEU:HD12	1:402:A:ILE:HD12	16	0.29
(1,2242)	1:394:A:LEU:HD22	1:341:A:VAL:HG12	18	0.29
(1,2237)	1:375:A:LEU:HD11	1:375:A:LEU:HD22	2	0.29
(1,2237)	1:375:A:LEU:HD13	1:375:A:LEU:HD22	5	0.29
(1,2237)	1:375:A:LEU:HD11	1:375:A:LEU:HD23	7	0.29
(1,2237)	1:375:A:LEU:HD12	1:375:A:LEU:HD22	18	0.29
(1,2237)	1:375:A:LEU:HD11	1:375:A:LEU:HD21	19	0.29
(1,2237)	1:375:A:LEU:HD11	1:375:A:LEU:HD22	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD12	1	0.29
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	13	0.29
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD21	2	0.29
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD23	3	0.29
(1,2155)	1:336:A:LEU:HD11	1:431:A:GLU:HB2	20	0.29
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	9	0.29
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	17	0.29
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	20	0.29
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	5	0.29
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG21	9	0.29
(1,1999)	1:426:A:ARG:HD2	1:426:A:ARG:HB3	1	0.29
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG21	4	0.29
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG22	17	0.29
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	20	0.29
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	3	0.29
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	9	0.29
(1,1784)	1:414:A:ARG:HB2	1:414:A:ARG:HE	15	0.29
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	17	0.29
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	10	0.29
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	11	0.29
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	18	0.29
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	20	0.29
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG22	7	0.29
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG23	19	0.29
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD11	16	0.29
(1,1472)	1:399:A:LYS:HD2	1:398:A:TYR:H	13	0.29
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	8	0.29
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	18	0.29
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	1	0.29
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	8	0.29
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	14	0.29
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	6	0.29
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	2	0.29
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	9	0.29
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	10	0.29
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	17	0.29
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	18	0.29
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	2	0.29
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	19	0.29
(1,1203)	1:394:A:LEU:HD23	1:397:A:TYR:HB3	9	0.29
(1,1200)	1:380:A:LYS:HG2	1:376:A:TRP:HE1	8	0.29
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB1	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	5	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	6	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	7	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	8	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	9	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	10	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	12	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	14	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	15	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	19	0.29
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	20	0.29
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG3	6	0.29
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	12	0.29
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	6	0.29
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	7	0.29
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	9	0.29
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG23	11	0.29
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD13	17	0.29
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	14	0.29
(1,1004)	1:367:A:VAL:HG21	1:365:A:ARG:HB3	20	0.29
(1,992)	1:367:A:VAL:HG11	1:368:A:ASP:HA	1	0.29
(1,992)	1:367:A:VAL:HG12	1:368:A:ASP:HA	2	0.29
(1,992)	1:367:A:VAL:HG13	1:368:A:ASP:HA	5	0.29
(1,992)	1:367:A:VAL:HG11	1:368:A:ASP:HA	12	0.29
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD11	1	0.29
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD12	16	0.29
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	3	0.29
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	6	0.29
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	16	0.29
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	19	0.29
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	20	0.29
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	1	0.29
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	3	0.29
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	7	0.29
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	17	0.29
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	20	0.29
(1,906)	1:363:A:ILE:HD12	1:363:A:ILE:HG13	3	0.29
(1,906)	1:363:A:ILE:HD12	1:363:A:ILE:HG13	11	0.29
(1,906)	1:363:A:ILE:HD13	1:363:A:ILE:HG13	13	0.29
(1,906)	1:363:A:ILE:HD13	1:363:A:ILE:HG13	14	0.29
(1,906)	1:363:A:ILE:HD13	1:363:A:ILE:HG13	20	0.29
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD11	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD12	12	0.29
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	4	0.29
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	17	0.29
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB3	13	0.29
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	9	0.29
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	1	0.29
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	6	0.29
(1,709)	1:356:A:TRP:HD1	1:359:A:LYS:HE2	2	0.29
(1,671)	1:345:A:LEU:HD13	1:354:A:ILE:HG13	17	0.29
(1,665)	1:345:A:LEU:HD22	1:354:A:ILE:HD13	10	0.29
(1,650)	1:354:A:ILE:HG23	1:344:A:LEU:HD13	10	0.29
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG23	15	0.29
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	18	0.29
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG3	19	0.29
(1,539)	1:345:A:LEU:HD12	1:354:A:ILE:HA	20	0.29
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD13	3	0.29
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD11	6	0.29
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	7	0.29
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	16	0.29
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD22	7	0.29
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD23	8	0.29
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD22	14	0.29
(1,514)	1:344:A:LEU:HB2	1:344:A:LEU:HD21	16	0.29
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD22	13	0.29
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD22	14	0.29
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	15	0.29
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	19	0.29
(1,460)	1:343:A:GLN:HA	1:344:A:LEU:HD21	20	0.29
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD21	6	0.29
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD22	14	0.29
(1,344)	1:335:A:ARG:HB3	1:335:A:ARG:HG2	14	0.29
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	17	0.29
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	8	0.29
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	15	0.29
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	2	0.29
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	3	0.29
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	4	0.29
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	7	0.29
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	10	0.29
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	16	0.29
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	18	0.29
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:364:A:PHE:HA	1:345:A:LEU:HD12	1	0.29
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG22	5	0.29
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG22	10	0.29
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG21	14	0.29
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	20	0.29
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD11	15	0.29
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HB3	14	0.28
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB3	10	0.28
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD21	1	0.28
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG21	12	0.28
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG21	15	0.28
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	12	0.28
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	5	0.28
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	16	0.28
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	1	0.28
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	5	0.28
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	11	0.28
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	18	0.28
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	19	0.28
(1,3582)	1:403:A:ILE:HG22	1:413:A:PHE:HD2	20	0.28
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	10	0.28
(1,3569)	1:336:A:LEU:HB2	1:336:A:LEU:HD13	3	0.28
(1,3569)	1:336:A:LEU:HB2	1:336:A:LEU:HD12	12	0.28
(1,3568)	1:336:A:LEU:HD12	1:338:A:TRP:HB3	13	0.28
(1,3557)	1:430:A:LEU:H	1:430:A:LEU:HD22	2	0.28
(1,3542)	1:422:A:ILE:HD12	1:403:A:ILE:H	3	0.28
(1,3542)	1:422:A:ILE:HD11	1:403:A:ILE:H	20	0.28
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	7	0.28
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	17	0.28
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD2	17	0.28
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	20	0.28
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	7	0.28
(1,3490)	1:416:A:MET:HB2	1:417:A:LYS:HB3	12	0.28
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	15	0.28
(1,3450)	1:358:A:ASP:H	1:412:A:LEU:HD13	5	0.28
(1,3445)	1:411:A:LEU:HD22	1:369:A:PRO:HD3	5	0.28
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD21	15	0.28
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD23	18	0.28
(1,3435)	1:347:A:ASP:HB2	1:343:A:GLN:HE22	2	0.28
(1,3424)	1:409:A:GLN:HB3	1:412:A:LEU:HD23	8	0.28
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	3	0.28
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD13	14	0.28
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	9	0.28
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	15	0.28
(1,3274)	1:373:A:ALA:HB2	1:376:A:TRP:H	8	0.28
(1,3274)	1:373:A:ALA:HB3	1:376:A:TRP:H	9	0.28
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	11	0.28
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	15	0.28
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	16	0.28
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	18	0.28
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	10	0.28
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	5	0.28
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	7	0.28
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	8	0.28
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	17	0.28
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	19	0.28
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	8	0.28
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	12	0.28
(1,3229)	1:366:A:ILE:HD13	1:412:A:LEU:HA	2	0.28
(1,3229)	1:366:A:ILE:HD12	1:412:A:LEU:HA	10	0.28
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	1	0.28
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	8	0.28
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	9	0.28
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG23	18	0.28
(1,3202)	1:363:A:ILE:HD12	1:414:A:ARG:HH11	15	0.28
(1,3201)	1:358:A:ASP:HB3	1:363:A:ILE:HG12	17	0.28
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	18	0.28
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	10	0.28
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	13	0.28
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	20	0.28
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	12	0.28
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	3	0.28
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	7	0.28
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	8	0.28
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	9	0.28
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	16	0.28
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	1	0.28
(1,3133)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	9	0.28
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD22	13	0.28
(1,3131)	1:374:A:ARG:HG2	1:375:A:LEU:HD22	18	0.28
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG22	14	0.28
(1,3060)	1:338:A:TRP:HZ3	1:402:A:ILE:HG23	8	0.28
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD13	8	0.28
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	10	0.28
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	7	0.28
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	14	0.28
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD11	7	0.28
(1,2880)	1:395:A:ARG:H	1:394:A:LEU:HD13	8	0.28
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD12	5	0.28
(1,2879)	1:394:A:LEU:H	1:394:A:LEU:HD12	11	0.28
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD21	19	0.28
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG11	12	0.28
(1,2858)	1:412:A:LEU:HD21	1:365:A:ARG:H	8	0.28
(1,2858)	1:412:A:LEU:HD22	1:365:A:ARG:H	13	0.28
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD12	3	0.28
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD12	12	0.28
(1,2840)	1:349:A:ARG:H	1:349:A:ARG:HD2	16	0.28
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD22	11	0.28
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD22	17	0.28
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	4	0.28
(1,2637)	1:393:A:ALA:H	1:392:A:ARG:HB3	12	0.28
(1,2620)	1:391:A:SER:H	1:391:A:SER:HB2	1	0.28
(1,2595)	1:384:A:ASN:HD21	1:384:A:ASN:HB2	11	0.28
(1,2595)	1:384:A:ASN:HD21	1:384:A:ASN:HB2	15	0.28
(1,2595)	1:384:A:ASN:HD21	1:384:A:ASN:HB2	18	0.28
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD12	8	0.28
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	1	0.28
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	5	0.28
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	14	0.28
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	20	0.28
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	18	0.28
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	10	0.28
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD22	6	0.28
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD23	7	0.28
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD21	8	0.28
(1,2259)	1:433:A:LEU:HD11	1:433:A:LEU:HD21	10	0.28
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD23	11	0.28
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD23	13	0.28
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD21	16	0.28
(1,2256)	1:430:A:LEU:HD23	1:430:A:LEU:HD11	8	0.28
(1,2251)	1:363:A:ILE:HD11	1:412:A:LEU:HD12	3	0.28
(1,2244)	1:400:A:LEU:HD12	1:400:A:LEU:HD23	20	0.28
(1,2242)	1:394:A:LEU:HD21	1:341:A:VAL:HG11	5	0.28
(1,2242)	1:394:A:LEU:HD21	1:341:A:VAL:HG13	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2237)	1:375:A:LEU:HD12	1:375:A:LEU:HD21	8	0.28
(1,2237)	1:375:A:LEU:HD12	1:375:A:LEU:HD23	9	0.28
(1,2237)	1:375:A:LEU:HD11	1:375:A:LEU:HD22	15	0.28
(1,2225)	1:394:A:LEU:HD23	1:366:A:ILE:HD12	17	0.28
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD12	5	0.28
(1,2207)	1:429:A:ARG:HA	1:433:A:LEU:HD22	16	0.28
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD23	12	0.28
(1,2156)	1:336:A:LEU:HD23	1:338:A:TRP:HE1	17	0.28
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD23	3	0.28
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD22	9	0.28
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	7	0.28
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	8	0.28
(1,2063)	1:431:A:GLU:HA	1:431:A:GLU:HB2	19	0.28
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	15	0.28
(1,2019)	1:427:A:THR:HB	1:427:A:THR:HG23	19	0.28
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	19	0.28
(1,1966)	1:422:A:ILE:HD12	1:338:A:TRP:HB3	1	0.28
(1,1950)	1:422:A:ILE:HG13	1:422:A:ILE:HG23	5	0.28
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	19	0.28
(1,1879)	1:418:A:THR:HG22	1:419:A:PRO:HD3	5	0.28
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	10	0.28
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	16	0.28
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	20	0.28
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	1	0.28
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	3	0.28
(1,1798)	1:414:A:ARG:HD2	1:414:A:ARG:HH12	4	0.28
(1,1752)	1:409:A:GLN:HB3	1:412:A:LEU:HB3	17	0.28
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	1	0.28
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	3	0.28
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	6	0.28
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	8	0.28
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	15	0.28
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG22	4	0.28
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG22	12	0.28
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	12	0.28
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	12	0.28
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	16	0.28
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	2	0.28
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	4	0.28
(1,1292)	1:386:A:THR:HG21	1:384:A:ASN:HB3	2	0.28
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	5	0.28
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB1	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	1	0.28
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	2	0.28
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	11	0.28
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	13	0.28
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	17	0.28
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG3	4	0.28
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG3	12	0.28
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG2	15	0.28
(1,1074)	1:371:A:GLY:HA3	1:374:A:ARG:H	12	0.28
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG21	1	0.28
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	14	0.28
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	6	0.28
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG22	10	0.28
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	13	0.28
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	15	0.28
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	19	0.28
(1,992)	1:367:A:VAL:HG11	1:368:A:ASP:HA	10	0.28
(1,992)	1:367:A:VAL:HG13	1:368:A:ASP:HA	13	0.28
(1,967)	1:366:A:ILE:HG23	1:368:A:ASP:HB3	1	0.28
(1,967)	1:366:A:ILE:HG22	1:368:A:ASP:HB3	13	0.28
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	11	0.28
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	12	0.28
(1,906)	1:363:A:ILE:HD11	1:363:A:ILE:HG13	1	0.28
(1,906)	1:363:A:ILE:HD13	1:363:A:ILE:HG13	2	0.28
(1,906)	1:363:A:ILE:HD13	1:363:A:ILE:HG13	4	0.28
(1,906)	1:363:A:ILE:HD12	1:363:A:ILE:HG13	6	0.28
(1,906)	1:363:A:ILE:HD11	1:363:A:ILE:HG13	9	0.28
(1,906)	1:363:A:ILE:HD12	1:363:A:ILE:HG13	12	0.28
(1,906)	1:363:A:ILE:HD11	1:363:A:ILE:HG13	15	0.28
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD13	13	0.28
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD13	14	0.28
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	3	0.28
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	14	0.28
(1,809)	1:392:A:ARG:HA	1:392:A:ARG:HD3	11	0.28
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	2	0.28
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	3	0.28
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	19	0.28
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	15	0.28
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	8	0.28
(1,671)	1:345:A:LEU:HD13	1:354:A:ILE:HG13	10	0.28
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD11	6	0.28
(1,641)	1:354:A:ILE:HG22	1:345:A:LEU:H	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG23	3	0.28
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG23	7	0.28
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG23	11	0.28
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	13	0.28
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG23	14	0.28
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	16	0.28
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	17	0.28
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	19	0.28
(1,539)	1:345:A:LEU:HD13	1:354:A:ILE:HA	10	0.28
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	3	0.28
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	8	0.28
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	12	0.28
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	15	0.28
(1,503)	1:344:A:LEU:HD11	1:375:A:LEU:HG	5	0.28
(1,503)	1:344:A:LEU:HD13	1:375:A:LEU:HG	16	0.28
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	12	0.28
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD22	8	0.28
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	1	0.28
(1,350)	1:335:A:ARG:HD2	1:379:A:HIS:HE1	13	0.28
(1,348)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	9	0.28
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	13	0.28
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	18	0.28
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	4	0.28
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	5	0.28
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	12	0.28
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	13	0.28
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	15	0.28
(1,151)	1:364:A:PHE:HD1	1:364:A:PHE:HB3	12	0.28
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG21	7	0.28
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG21	15	0.28
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	16	0.28
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	19	0.28
(1,62)	1:375:A:LEU:HD11	1:340:A:TYR:HE2	6	0.28
(1,62)	1:375:A:LEU:HD12	1:340:A:TYR:HE2	19	0.28
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	16	0.27
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD12	12	0.27
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD21	8	0.27
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD23	13	0.27
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG23	13	0.27
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG23	2	0.27
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	9	0.27
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG23	13	0.27
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG22	16	0.27
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	1	0.27
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	7	0.27
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	20	0.27
(1,3582)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	11	0.27
(1,3582)	1:413:A:PHE:HD1	1:366:A:ILE:HD12	19	0.27
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	4	0.27
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	16	0.27
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	18	0.27
(1,3569)	1:430:A:LEU:HB2	1:336:A:LEU:HD12	7	0.27
(1,3540)	1:338:A:TRP:HD1	1:422:A:ILE:HG21	12	0.27
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD2	12	0.27
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	2	0.27
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	15	0.27
(1,3466)	1:414:A:ARG:HB3	1:414:A:ARG:HG2	5	0.27
(1,3466)	1:414:A:ARG:HB3	1:404:A:ARG:HG2	15	0.27
(1,3446)	1:411:A:LEU:HD22	1:405:A:LYS:HE3	14	0.27
(1,3429)	1:382:A:ARG:HB2	1:380:A:LYS:HE2	7	0.27
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	20	0.27
(1,3394)	1:403:A:ILE:HD12	1:397:A:TYR:HA	6	0.27
(1,3393)	1:341:A:VAL:HG21	1:403:A:ILE:HG22	1	0.27
(1,3393)	1:341:A:VAL:HG21	1:403:A:ILE:HG22	5	0.27
(1,3373)	1:399:A:LYS:HE2	1:400:A:LEU:HG	9	0.27
(1,3371)	1:399:A:LYS:HG3	1:398:A:TYR:H	17	0.27
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	1	0.27
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD11	1	0.27
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD12	3	0.27
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD11	8	0.27
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD12	15	0.27
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD13	16	0.27
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD12	19	0.27
(1,3337)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	16	0.27
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	6	0.27
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD3	14	0.27
(1,3336)	1:395:A:ARG:HG3	1:395:A:ARG:HD3	19	0.27
(1,3335)	1:392:A:ARG:HB2	1:392:A:ARG:HD3	5	0.27
(1,3335)	1:392:A:ARG:HB2	1:392:A:ARG:HD3	12	0.27
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	2	0.27
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	7	0.27
(1,3274)	1:373:A:ALA:HB1	1:376:A:TRP:H	20	0.27
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	6	0.27
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	10	0.27
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	13	0.27
(1,3257)	1:372:A:LEU:HG	1:367:A:VAL:H	6	0.27
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	6	0.27
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	3	0.27
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	11	0.27
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	14	0.27
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	16	0.27
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	18	0.27
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	20	0.27
(1,3235)	1:367:A:VAL:HG22	1:352:A:ASN:HA	13	0.27
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	1	0.27
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	3	0.27
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	16	0.27
(1,3229)	1:366:A:ILE:HD13	1:412:A:LEU:HA	6	0.27
(1,3229)	1:366:A:ILE:HD12	1:412:A:LEU:HA	19	0.27
(1,3225)	1:366:A:ILE:HB	1:369:A:PRO:HG3	5	0.27
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	11	0.27
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	10	0.27
(1,3141)	1:356:A:TRP:HB2	1:356:A:TRP:HE3	15	0.27
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	7	0.27
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD23	1	0.27
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD22	6	0.27
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD21	7	0.27
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD23	8	0.27
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	4	0.27
(1,3114)	1:337:A:LEU:HB2	1:393:A:ALA:H	16	0.27
(1,3105)	1:351:A:GLU:HG2	1:350:A:TYR:HA	17	0.27
(1,3090)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	10	0.27
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	17	0.27
(1,3074)	1:341:A:VAL:HG21	1:338:A:TRP:HB3	20	0.27
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG23	17	0.27
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD23	9	0.27
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD12	15	0.27
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	14	0.27
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	6	0.27
(1,3015)	1:413:A:PHE:HD1	1:413:A:PHE:HE1	7	0.27
(1,3015)	1:413:A:PHE:HD1	1:413:A:PHE:HE1	8	0.27
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	9	0.27
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	17	0.27
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	4	0.27
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	9	0.27
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD21	20	0.27
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD12	4	0.27
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD13	20	0.27
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB3	10	0.27
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB1	19	0.27
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG23	13	0.27
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD23	4	0.27
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD23	14	0.27
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	17	0.27
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD11	6	0.27
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD11	15	0.27
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD11	9	0.27
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD12	18	0.27
(1,2858)	1:412:A:LEU:HD21	1:365:A:ARG:H	5	0.27
(1,2858)	1:412:A:LEU:HD23	1:365:A:ARG:H	7	0.27
(1,2858)	1:412:A:LEU:HD21	1:365:A:ARG:H	10	0.27
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD13	10	0.27
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	5	0.27
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	6	0.27
(1,2637)	1:393:A:ALA:H	1:392:A:ARG:HB3	9	0.27
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	4	0.27
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	17	0.27
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	18	0.27
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	14	0.27
(1,2329)	1:338:A:TRP:H	1:336:A:LEU:HD13	5	0.27
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD22	1	0.27
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD22	3	0.27
(1,2259)	1:433:A:LEU:HD11	1:433:A:LEU:HD21	4	0.27
(1,2259)	1:433:A:LEU:HD11	1:433:A:LEU:HD21	19	0.27
(1,2244)	1:400:A:LEU:HD11	1:400:A:LEU:HD23	5	0.27
(1,2244)	1:400:A:LEU:HD11	1:400:A:LEU:HD23	6	0.27
(1,2244)	1:400:A:LEU:HD11	1:400:A:LEU:HD23	7	0.27
(1,2244)	1:400:A:LEU:HD13	1:400:A:LEU:HD23	9	0.27
(1,2244)	1:400:A:LEU:HD13	1:400:A:LEU:HD21	15	0.27
(1,2244)	1:400:A:LEU:HD13	1:400:A:LEU:HD21	18	0.27
(1,2242)	1:394:A:LEU:HD23	1:341:A:VAL:HG13	4	0.27
(1,2237)	1:375:A:LEU:HD13	1:375:A:LEU:HD22	6	0.27
(1,2237)	1:375:A:LEU:HD13	1:375:A:LEU:HD23	10	0.27
(1,2237)	1:375:A:LEU:HD11	1:375:A:LEU:HD23	11	0.27
(1,2237)	1:375:A:LEU:HD12	1:375:A:LEU:HD23	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2237)	1:375:A:LEU:HD13	1:375:A:LEU:HD22	17	0.27
(1,2228)	1:366:A:ILE:HG21	1:411:A:LEU:HD22	1	0.27
(1,2203)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	16	0.27
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD22	18	0.27
(1,2156)	1:336:A:LEU:HD21	1:338:A:TRP:HE1	19	0.27
(1,2086)	1:430:A:LEU:HD23	1:396:A:HIS:HB2	10	0.27
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	19	0.27
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	20	0.27
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG21	3	0.27
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG23	20	0.27
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	16	0.27
(1,1879)	1:418:A:THR:HG23	1:419:A:PRO:HD3	8	0.27
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	1	0.27
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	9	0.27
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	5	0.27
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	6	0.27
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	9	0.27
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	15	0.27
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	6	0.27
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	4	0.27
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	7	0.27
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	12	0.27
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	16	0.27
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	7	0.27
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	9	0.27
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	10	0.27
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	14	0.27
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	16	0.27
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	19	0.27
(1,1638)	1:406:A:GLU:HG3	1:413:A:PHE:HA	5	0.27
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	1	0.27
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	16	0.27
(1,1557)	1:403:A:ILE:HG22	1:413:A:PHE:HD2	13	0.27
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD13	5	0.27
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD21	2	0.27
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD23	6	0.27
(1,1472)	1:399:A:LYS:HD2	1:398:A:TYR:H	10	0.27
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	15	0.27
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	16	0.27
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	19	0.27
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	20	0.27
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	10	0.27
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	7	0.27
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	15	0.27
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	18	0.27
(1,1308)	1:388:A:GLU:HA	1:388:A:GLU:HG3	12	0.27
(1,1285)	1:386:A:THR:H	1:385:A:MET:HG2	17	0.27
(1,1245)	1:382:A:ARG:HB2	1:382:A:ARG:HD2	18	0.27
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	2	0.27
(1,1222)	1:380:A:LYS:HE2	1:380:A:LYS:HG3	5	0.27
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	10	0.27
(1,1202)	1:380:A:LYS:HA	1:380:A:LYS:HG2	15	0.27
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB1	2	0.27
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	3	0.27
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	4	0.27
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	16	0.27
(1,1127)	1:374:A:ARG:HB3	1:374:A:ARG:HG3	18	0.27
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	1	0.27
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG23	13	0.27
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG21	17	0.27
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD11	12	0.27
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG21	1	0.27
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG21	2	0.27
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	7	0.27
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG22	16	0.27
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	17	0.27
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG22	18	0.27
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	20	0.27
(1,1003)	1:355:A:ARG:HB3	1:367:A:VAL:HG23	20	0.27
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	17	0.27
(1,967)	1:366:A:ILE:HG23	1:368:A:ASP:HB3	18	0.27
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	10	0.27
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	15	0.27
(1,906)	1:363:A:ILE:HD12	1:363:A:ILE:HG13	7	0.27
(1,906)	1:363:A:ILE:HD11	1:363:A:ILE:HG13	8	0.27
(1,906)	1:363:A:ILE:HD11	1:363:A:ILE:HG13	10	0.27
(1,906)	1:363:A:ILE:HD13	1:363:A:ILE:HG13	16	0.27
(1,906)	1:363:A:ILE:HD13	1:363:A:ILE:HG13	17	0.27
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD11	1	0.27
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD13	4	0.27
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	17	0.27
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	11	0.27
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD3	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:358:A:ASP:HB3	1:361:A:SER:HB3	15	0.27
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	20	0.27
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	11	0.27
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	13	0.27
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	16	0.27
(1,771)	1:358:A:ASP:HB3	1:363:A:ILE:HB	8	0.27
(1,715)	1:356:A:TRP:HD1	1:345:A:LEU:HD12	10	0.27
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG21	2	0.27
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	4	0.27
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG21	5	0.27
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG21	10	0.27
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	12	0.27
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG22	20	0.27
(1,539)	1:345:A:LEU:HD11	1:354:A:ILE:HA	5	0.27
(1,539)	1:345:A:LEU:HD11	1:354:A:ILE:HA	7	0.27
(1,539)	1:345:A:LEU:HD13	1:354:A:ILE:HA	9	0.27
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD13	10	0.27
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD12	13	0.27
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD13	17	0.27
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	4	0.27
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	19	0.27
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD21	14	0.27
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD23	16	0.27
(1,443)	1:337:A:LEU:HD21	1:341:A:VAL:HG11	6	0.27
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD23	20	0.27
(1,257)	1:375:A:LEU:HD11	1:350:A:TYR:HE1	9	0.27
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	6	0.27
(1,163)	1:415:A:PHE:HB2	1:415:A:PHE:HD1	9	0.27
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	15	0.27
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	16	0.27
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	19	0.27
(1,151)	1:364:A:PHE:HD1	1:364:A:PHE:HB3	11	0.27
(1,151)	1:364:A:PHE:HD1	1:364:A:PHE:HB3	15	0.27
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	6	0.27
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	17	0.27
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG23	18	0.27
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	9	0.27
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	14	0.27
(1,3759)	1:409:A:GLN:H	1:412:A:LEU:HD11	3	0.26
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD22	5	0.26
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD23	20	0.26
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG21	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	3	0.26
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	4	0.26
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	9	0.26
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG22	13	0.26
(1,3686)	1:366:A:ILE:H	1:365:A:ARG:HB3	9	0.26
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	14	0.26
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG22	18	0.26
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	4	0.26
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	19	0.26
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	3	0.26
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	16	0.26
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	1	0.26
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	7	0.26
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD13	15	0.26
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	7	0.26
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	14	0.26
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	7	0.26
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	15	0.26
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	3	0.26
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	16	0.26
(1,3466)	1:414:A:ARG:HB3	1:414:A:ARG:HG2	13	0.26
(1,3466)	1:414:A:ARG:HB3	1:404:A:ARG:HG2	18	0.26
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	13	0.26
(1,3443)	1:411:A:LEU:HD22	1:413:A:PHE:HZ	9	0.26
(1,3432)	1:429:A:ARG:HG3	1:429:A:ARG:HD2	10	0.26
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	14	0.26
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	15	0.26
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	8	0.26
(1,3394)	1:403:A:ILE:HD11	1:397:A:TYR:HA	12	0.26
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD13	2	0.26
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD12	4	0.26
(1,3337)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	8	0.26
(1,3336)	1:395:A:ARG:HG3	1:395:A:ARG:HD3	18	0.26
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	3	0.26
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	9	0.26
(1,3303)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	11	0.26
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	2	0.26
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	1	0.26
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	6	0.26
(1,3242)	1:369:A:PRO:HG2	1:369:A:PRO:HA	13	0.26
(1,3235)	1:367:A:VAL:HG23	1:352:A:ASN:HA	19	0.26
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	9	0.26
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	20	0.26
(1,3229)	1:366:A:ILE:HD12	1:412:A:LEU:HA	16	0.26
(1,3229)	1:366:A:ILE:HD11	1:412:A:LEU:HA	18	0.26
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	16	0.26
(1,3211)	1:365:A:ARG:HA	1:365:A:ARG:HG2	12	0.26
(1,3202)	1:363:A:ILE:HD11	1:414:A:ARG:HH21	17	0.26
(1,3195)	1:363:A:ILE:HA	1:414:A:ARG:HD2	1	0.26
(1,3187)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	13	0.26
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	13	0.26
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HD2	20	0.26
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	2	0.26
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	19	0.26
(1,3133)	1:345:A:LEU:HD12	1:355:A:ARG:HB3	17	0.26
(1,3132)	1:355:A:ARG:HA	1:345:A:LEU:HG	20	0.26
(1,3114)	1:337:A:LEU:HB2	1:393:A:ALA:H	3	0.26
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG23	2	0.26
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG21	16	0.26
(1,3074)	1:341:A:VAL:HG21	1:338:A:TRP:HB3	18	0.26
(1,3050)	1:338:A:TRP:HD1	1:336:A:LEU:HB2	11	0.26
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	20	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	1	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	2	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	3	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	4	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	5	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	10	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	11	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	12	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	13	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	14	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	15	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	16	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	18	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	19	0.26
(1,3015)	1:413:A:PHE:HD2	1:413:A:PHE:HE2	20	0.26
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	5	0.26
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	18	0.26
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	17	0.26
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	19	0.26
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD23	8	0.26
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD21	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	2	0.26
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	3	0.26
(1,2902)	1:430:A:LEU:HD12	1:430:A:LEU:H	2	0.26
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG23	2	0.26
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG21	13	0.26
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB2	17	0.26
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG21	10	0.26
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	5	0.26
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD23	10	0.26
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	15	0.26
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	18	0.26
(1,2869)	1:375:A:LEU:H	1:375:A:LEU:HD12	11	0.26
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG11	15	0.26
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD11	6	0.26
(1,2858)	1:412:A:LEU:HD21	1:365:A:ARG:H	11	0.26
(1,2858)	1:412:A:LEU:HD23	1:365:A:ARG:H	12	0.26
(1,2858)	1:412:A:LEU:HD21	1:365:A:ARG:H	15	0.26
(1,2858)	1:412:A:LEU:HD22	1:365:A:ARG:H	18	0.26
(1,2858)	1:412:A:LEU:HD23	1:365:A:ARG:H	20	0.26
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD13	14	0.26
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG21	19	0.26
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD11	14	0.26
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD11	20	0.26
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	5	0.26
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD22	18	0.26
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD21	19	0.26
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	8	0.26
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	20	0.26
(1,2637)	1:393:A:ALA:H	1:392:A:ARG:HB3	16	0.26
(1,2620)	1:391:A:SER:H	1:391:A:SER:HB2	3	0.26
(1,2620)	1:391:A:SER:H	1:391:A:SER:HB2	11	0.26
(1,2620)	1:391:A:SER:H	1:391:A:SER:HB2	18	0.26
(1,2595)	1:384:A:ASN:HD21	1:384:A:ASN:HB2	7	0.26
(1,2595)	1:384:A:ASN:HD21	1:384:A:ASN:HB2	13	0.26
(1,2595)	1:384:A:ASN:HD21	1:384:A:ASN:HB2	19	0.26
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	19	0.26
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	4	0.26
(1,2261)	1:336:A:LEU:HD11	1:430:A:LEU:HD22	16	0.26
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD21	12	0.26
(1,2249)	1:366:A:ILE:HD13	1:411:A:LEU:HD22	13	0.26
(1,2244)	1:400:A:LEU:HD13	1:400:A:LEU:HD22	1	0.26
(1,2244)	1:400:A:LEU:HD13	1:400:A:LEU:HD23	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2244)	1:400:A:LEU:HD12	1:400:A:LEU:HD21	10	0.26
(1,2244)	1:400:A:LEU:HD13	1:400:A:LEU:HD21	12	0.26
(1,2242)	1:394:A:LEU:HD23	1:341:A:VAL:HG11	8	0.26
(1,2242)	1:394:A:LEU:HD23	1:341:A:VAL:HG11	14	0.26
(1,2228)	1:366:A:ILE:HG23	1:411:A:LEU:HD23	14	0.26
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD22	20	0.26
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	8	0.26
(1,2023)	1:428:A:ASP:HB2	1:429:A:ARG:HG3	13	0.26
(1,2004)	1:426:A:ARG:HD2	1:426:A:ARG:HA	6	0.26
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	15	0.26
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	2	0.26
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	6	0.26
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	7	0.26
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	11	0.26
(1,1856)	1:417:A:LYS:HD2	1:422:A:ILE:HG13	9	0.26
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	3	0.26
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	4	0.26
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	12	0.26
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	13	0.26
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	18	0.26
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	19	0.26
(1,1794)	1:404:A:ARG:HG3	1:405:A:LYS:HA	15	0.26
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD2	11	0.26
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD2	20	0.26
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	6	0.26
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD23	10	0.26
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	2	0.26
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	3	0.26
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	4	0.26
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	6	0.26
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	11	0.26
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	13	0.26
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	17	0.26
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG21	7	0.26
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG22	12	0.26
(1,1557)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	4	0.26
(1,1557)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	5	0.26
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG23	9	0.26
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG22	18	0.26
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG21	9	0.26
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG22	13	0.26
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG23	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1474)	1:399:A:LYS:HA	1:399:A:LYS:HD2	10	0.26
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	4	0.26
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	7	0.26
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	11	0.26
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	16	0.26
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	4	0.26
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	14	0.26
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	13	0.26
(1,1308)	1:388:A:GLU:HA	1:388:A:GLU:HG3	17	0.26
(1,1290)	1:386:A:THR:HG23	1:385:A:MET:HA	5	0.26
(1,1245)	1:382:A:ARG:HB2	1:382:A:ARG:HD2	15	0.26
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	1	0.26
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	12	0.26
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG2	5	0.26
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG3	14	0.26
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD13	1	0.26
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD12	20	0.26
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG21	4	0.26
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG22	5	0.26
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	9	0.26
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG22	12	0.26
(1,994)	1:367:A:VAL:HG12	1:368:A:ASP:HB3	20	0.26
(1,992)	1:367:A:VAL:HG11	1:368:A:ASP:HA	15	0.26
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	4	0.26
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	10	0.26
(1,967)	1:366:A:ILE:HG23	1:368:A:ASP:HB3	17	0.26
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	4	0.26
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD11	8	0.26
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD11	19	0.26
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	1	0.26
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	13	0.26
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	15	0.26
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	16	0.26
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD2	7	0.26
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD2	19	0.26
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	5	0.26
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	16	0.26
(1,818)	1:360:A:GLU:HG3	1:359:A:LYS:HB2	10	0.26
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	17	0.26
(1,802)	1:356:A:TRP:HE1	1:359:A:LYS:HE2	16	0.26
(1,799)	1:359:A:LYS:HD3	1:360:A:GLU:HG2	9	0.26
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:358:A:ASP:HB3	1:363:A:ILE:HB	3	0.26
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	5	0.26
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	17	0.26
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	13	0.26
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	15	0.26
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	7	0.26
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	7	0.26
(1,641)	1:354:A:ILE:HG21	1:345:A:LEU:H	5	0.26
(1,641)	1:354:A:ILE:HG23	1:345:A:LEU:H	14	0.26
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG23	8	0.26
(1,631)	1:354:A:ILE:HA	1:354:A:ILE:HG23	9	0.26
(1,597)	1:349:A:ARG:HD2	1:349:A:ARG:HB2	8	0.26
(1,597)	1:349:A:ARG:HD2	1:349:A:ARG:HB2	11	0.26
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	3	0.26
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	11	0.26
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	16	0.26
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	18	0.26
(1,539)	1:345:A:LEU:HD12	1:354:A:ILE:HA	1	0.26
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	5	0.26
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	10	0.26
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	11	0.26
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	13	0.26
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	14	0.26
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD12	17	0.26
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	18	0.26
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD23	17	0.26
(1,503)	1:344:A:LEU:HD13	1:375:A:LEU:HG	2	0.26
(1,503)	1:344:A:LEU:HD13	1:375:A:LEU:HG	7	0.26
(1,503)	1:344:A:LEU:HD13	1:375:A:LEU:HG	13	0.26
(1,443)	1:337:A:LEU:HD23	1:341:A:VAL:HG11	4	0.26
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD21	18	0.26
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	7	0.26
(1,350)	1:335:A:ARG:HD2	1:379:A:HIS:HE1	6	0.26
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	8	0.26
(1,344)	1:335:A:ARG:HB3	1:335:A:ARG:HG2	12	0.26
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	11	0.26
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB3	17	0.26
(1,257)	1:375:A:LEU:HD11	1:350:A:TYR:HE1	14	0.26
(1,257)	1:375:A:LEU:HD11	1:350:A:TYR:HE1	18	0.26
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	3	0.26
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	7	0.26
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	20	0.26
(1,151)	1:364:A:PHE:HD1	1:364:A:PHE:HB3	7	0.26
(1,151)	1:364:A:PHE:HD1	1:364:A:PHE:HB3	20	0.26
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG21	8	0.26
(1,122)	1:353:A:PHE:HB3	1:354:A:ILE:HG21	11	0.26
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD13	19	0.25
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD21	6	0.25
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD22	12	0.25
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD23	17	0.25
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD23	19	0.25
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG21	17	0.25
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	1	0.25
(1,3677)	1:364:A:PHE:H	1:363:A:ILE:HG12	9	0.25
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	8	0.25
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	10	0.25
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	15	0.25
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	2	0.25
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	4	0.25
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	17	0.25
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG23	17	0.25
(1,3633)	1:343:A:GLN:HE22	1:335:A:ARG:HD3	9	0.25
(1,3582)	1:403:A:ILE:HG22	1:413:A:PHE:HD2	14	0.25
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	3	0.25
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD21	8	0.25
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD23	9	0.25
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD21	19	0.25
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	20	0.25
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE3	3	0.25
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	4	0.25
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	18	0.25
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	9	0.25
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	11	0.25
(1,3466)	1:414:A:ARG:HB3	1:414:A:ARG:HG2	20	0.25
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	5	0.25
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD23	10	0.25
(1,3435)	1:347:A:ASP:HB2	1:343:A:GLN:HE22	1	0.25
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	6	0.25
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	18	0.25
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	14	0.25
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	16	0.25
(1,3362)	1:395:A:ARG:HG3	1:395:A:ARG:HD2	11	0.25
(1,3362)	1:395:A:ARG:HG3	1:395:A:ARG:HD2	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	7	0.25
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	5	0.25
(1,3337)	1:395:A:ARG:HG2	1:395:A:ARG:HD3	12	0.25
(1,3337)	1:395:A:ARG:HG2	1:395:A:ARG:HD3	20	0.25
(1,3335)	1:392:A:ARG:HB3	1:392:A:ARG:HD2	8	0.25
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	10	0.25
(1,3308)	1:389:A:LYS:HB2	1:389:A:LYS:HE2	3	0.25
(1,3303)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	6	0.25
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	2	0.25
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	19	0.25
(1,3280)	1:395:A:ARG:HG3	1:392:A:ARG:HA	12	0.25
(1,3274)	1:373:A:ALA:HB1	1:376:A:TRP:H	2	0.25
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	12	0.25
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	17	0.25
(1,3268)	1:372:A:LEU:HD22	1:375:A:LEU:HB2	16	0.25
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	4	0.25
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	16	0.25
(1,3203)	1:363:A:ILE:HD11	1:363:A:ILE:HG12	5	0.25
(1,3203)	1:363:A:ILE:HD12	1:363:A:ILE:HG12	19	0.25
(1,3188)	1:362:A:LYS:HG3	1:415:A:PHE:HD2	14	0.25
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	13	0.25
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HD2	9	0.25
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	19	0.25
(1,3114)	1:337:A:LEU:HB2	1:393:A:ALA:H	14	0.25
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	15	0.25
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG23	9	0.25
(1,3050)	1:338:A:TRP:HD1	1:336:A:LEU:HB2	17	0.25
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	12	0.25
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	19	0.25
(1,2936)	1:364:A:PHE:HD1	1:363:A:ILE:HG23	16	0.25
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG23	20	0.25
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD11	9	0.25
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB1	1	0.25
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB2	15	0.25
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD13	3	0.25
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD13	6	0.25
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	3	0.25
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	4	0.25
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	16	0.25
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	19	0.25
(1,2620)	1:391:A:SER:H	1:391:A:SER:HB2	9	0.25
(1,2595)	1:384:A:ASN:HD21	1:384:A:ASN:HB2	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	8	0.25
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	9	0.25
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	11	0.25
(1,2463)	1:362:A:LYS:H	1:362:A:LYS:HD2	1	0.25
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD12	2	0.25
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD13	9	0.25
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD12	13	0.25
(1,2264)	1:376:A:TRP:HE1	1:380:A:LYS:HD2	18	0.25
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD23	14	0.25
(1,2259)	1:433:A:LEU:HD12	1:433:A:LEU:HD23	20	0.25
(1,2249)	1:366:A:ILE:HD12	1:411:A:LEU:HD21	3	0.25
(1,2244)	1:400:A:LEU:HD11	1:400:A:LEU:HD21	2	0.25
(1,2244)	1:400:A:LEU:HD12	1:400:A:LEU:HD21	11	0.25
(1,2244)	1:400:A:LEU:HD11	1:400:A:LEU:HD22	13	0.25
(1,2244)	1:400:A:LEU:HD12	1:400:A:LEU:HD23	14	0.25
(1,2244)	1:400:A:LEU:HD12	1:400:A:LEU:HD21	17	0.25
(1,2244)	1:400:A:LEU:HD12	1:400:A:LEU:HD22	19	0.25
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD21	12	0.25
(1,2228)	1:366:A:ILE:HG22	1:411:A:LEU:HD22	19	0.25
(1,2169)	1:372:A:LEU:H	1:353:A:PHE:HD2	6	0.25
(1,2137)	1:336:A:LEU:HB2	1:339:A:ASP:HB2	13	0.25
(1,2110)	1:434:A:GLU:HG3	1:393:A:ALA:HB2	12	0.25
(1,2086)	1:430:A:LEU:HD22	1:396:A:HIS:HB2	5	0.25
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD21	19	0.25
(1,2060)	1:431:A:GLU:HA	1:432:A:HIS:HD2	18	0.25
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	6	0.25
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	14	0.25
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG21	6	0.25
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	17	0.25
(1,1999)	1:426:A:ARG:HD2	1:426:A:ARG:HB3	15	0.25
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	7	0.25
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD12	20	0.25
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	3	0.25
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	11	0.25
(1,1879)	1:418:A:THR:HG22	1:419:A:PRO:HD3	19	0.25
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	18	0.25
(1,1856)	1:417:A:LYS:HD2	1:422:A:ILE:HG13	4	0.25
(1,1856)	1:417:A:LYS:HD2	1:422:A:ILE:HG13	18	0.25
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	2	0.25
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	7	0.25
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	8	0.25
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	16	0.25
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	3	0.25
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	13	0.25
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	16	0.25
(1,1764)	1:412:A:LEU:HD22	1:410:A:ARG:HE	7	0.25
(1,1710)	1:410:A:ARG:HB2	1:410:A:ARG:HD2	8	0.25
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	15	0.25
(1,1696)	1:409:A:GLN:HB3	1:409:A:GLN:HG2	3	0.25
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD23	11	0.25
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	1	0.25
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	5	0.25
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	12	0.25
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	13	0.25
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	17	0.25
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	18	0.25
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	20	0.25
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	4	0.25
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	9	0.25
(1,1604)	1:405:A:LYS:HG3	1:406:A:GLU:H	8	0.25
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG22	7	0.25
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG22	13	0.25
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG21	16	0.25
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD11	12	0.25
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG23	8	0.25
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG22	13	0.25
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG21	18	0.25
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	3	0.25
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	2	0.25
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	6	0.25
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	15	0.25
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	5	0.25
(1,1389)	1:397:A:TYR:HB3	1:394:A:LEU:HA	15	0.25
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	16	0.25
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	7	0.25
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	10	0.25
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	11	0.25
(1,1291)	1:386:A:THR:HG22	1:389:A:LYS:HE2	13	0.25
(1,1290)	1:386:A:THR:HG22	1:385:A:MET:HA	19	0.25
(1,1222)	1:380:A:LYS:HE2	1:380:A:LYS:HG3	10	0.25
(1,1222)	1:380:A:LYS:HE2	1:380:A:LYS:HG3	15	0.25
(1,1222)	1:380:A:LYS:HE2	1:380:A:LYS:HG3	17	0.25
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG2	8	0.25
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG23	5	0.25
(1,1048)	1:369:A:PRO:HD2	1:366:A:ILE:HG22	20	0.25
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD12	14	0.25
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG21	3	0.25
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG21	11	0.25
(1,977)	1:366:A:ILE:HD11	1:337:A:LEU:HD11	2	0.25
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD13	11	0.25
(1,967)	1:366:A:ILE:HG22	1:368:A:ASP:HB3	11	0.25
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG23	2	0.25
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	3	0.25
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	6	0.25
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	7	0.25
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	9	0.25
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	10	0.25
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	14	0.25
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	19	0.25
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD13	17	0.25
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD13	20	0.25
(1,833)	1:358:A:ASP:HB3	1:361:A:SER:HB3	5	0.25
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	4	0.25
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	6	0.25
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	11	0.25
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	17	0.25
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	8	0.25
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB3	12	0.25
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	1	0.25
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	5	0.25
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	4	0.25
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	12	0.25
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD11	4	0.25
(1,650)	1:354:A:ILE:HG22	1:344:A:LEU:HD12	15	0.25
(1,641)	1:354:A:ILE:HG23	1:345:A:LEU:H	3	0.25
(1,641)	1:354:A:ILE:HG23	1:345:A:LEU:H	8	0.25
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	8	0.25
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	2	0.25
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	5	0.25
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	8	0.25
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	9	0.25
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	12	0.25
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	13	0.25
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	20	0.25
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD12	2	0.25
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD13	6	0.25
(1,503)	1:344:A:LEU:HD13	1:375:A:LEU:HG	9	0.25
(1,443)	1:337:A:LEU:HD23	1:341:A:VAL:HG12	7	0.25
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD22	5	0.25
(1,375)	1:337:A:LEU:HD12	1:393:A:ALA:HB2	10	0.25
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	2	0.25
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	7	0.25
(1,344)	1:335:A:ARG:HB2	1:335:A:ARG:HG3	15	0.25
(1,319)	1:398:A:TYR:HE2	1:394:A:LEU:HB3	4	0.25
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB2	16	0.25
(1,257)	1:375:A:LEU:HD11	1:350:A:TYR:HE1	7	0.25
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	6	0.25
(1,151)	1:364:A:PHE:HD1	1:364:A:PHE:HB3	17	0.25
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	10	0.24
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	14	0.24
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD11	15	0.24
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD23	2	0.24
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD21	16	0.24
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG22	9	0.24
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG23	17	0.24
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	1	0.24
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	16	0.24
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	3	0.24
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	4	0.24
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG23	6	0.24
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG23	7	0.24
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	15	0.24
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	14	0.24
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	1	0.24
(1,3593)	1:429:A:ARG:HD2	1:400:A:LEU:HD22	9	0.24
(1,3582)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	2	0.24
(1,3582)	1:413:A:PHE:HD1	1:366:A:ILE:HD12	16	0.24
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	1	0.24
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	2	0.24
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	5	0.24
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	8	0.24
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	12	0.24
(1,3540)	1:338:A:TRP:HD1	1:422:A:ILE:HG22	14	0.24
(1,3522)	1:419:A:PRO:HG3	1:415:A:PHE:HE1	8	0.24
(1,3505)	1:405:A:LYS:HE2	1:413:A:PHE:HA	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3502)	1:418:A:THR:H	1:417:A:LYS:HD3	2	0.24
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	9	0.24
(1,3488)	1:403:A:ILE:HG22	1:415:A:PHE:HD2	6	0.24
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD2	15	0.24
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	13	0.24
(1,3466)	1:414:A:ARG:HB3	1:414:A:ARG:HG2	3	0.24
(1,3466)	1:414:A:ARG:HB3	1:414:A:ARG:HG2	7	0.24
(1,3462)	1:414:A:ARG:HB3	1:404:A:ARG:HG3	14	0.24
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD23	2	0.24
(1,3435)	1:347:A:ASP:HB2	1:343:A:GLN:HE22	14	0.24
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	14	0.24
(1,3429)	1:382:A:ARG:HB2	1:380:A:LYS:HE2	1	0.24
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	6	0.24
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	20	0.24
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	6	0.24
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	2	0.24
(1,3383)	1:399:A:LYS:HE3	1:400:A:LEU:HD22	19	0.24
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	2	0.24
(1,3362)	1:395:A:ARG:HG3	1:395:A:ARG:HD2	9	0.24
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	11	0.24
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD13	5	0.24
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD11	18	0.24
(1,3337)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	19	0.24
(1,3336)	1:395:A:ARG:HG3	1:395:A:ARG:HD3	15	0.24
(1,3326)	1:392:A:ARG:HA	1:392:A:ARG:HG2	3	0.24
(1,3322)	1:391:A:SER:HB3	1:395:A:ARG:HG2	14	0.24
(1,3322)	1:391:A:SER:HB3	1:395:A:ARG:HG2	16	0.24
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	4	0.24
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	13	0.24
(1,3303)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	14	0.24
(1,3303)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	16	0.24
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	8	0.24
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	17	0.24
(1,3292)	1:356:A:TRP:HD1	1:359:A:LYS:HE2	1	0.24
(1,3274)	1:373:A:ALA:HB1	1:376:A:TRP:H	7	0.24
(1,3274)	1:373:A:ALA:HB1	1:376:A:TRP:H	16	0.24
(1,3216)	1:365:A:ARG:HG2	1:412:A:LEU:HA	5	0.24
(1,3203)	1:363:A:ILE:HD13	1:363:A:ILE:HG12	3	0.24
(1,3203)	1:363:A:ILE:HD13	1:363:A:ILE:HG12	11	0.24
(1,3203)	1:363:A:ILE:HD11	1:363:A:ILE:HG12	13	0.24
(1,3201)	1:358:A:ASP:HB3	1:363:A:ILE:HG12	18	0.24
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	2	0.24
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	6	0.24
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	11	0.24
(1,3074)	1:341:A:VAL:HG22	1:338:A:TRP:HB3	3	0.24
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG22	4	0.24
(1,3074)	1:341:A:VAL:HG23	1:338:A:TRP:HB3	11	0.24
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	16	0.24
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	17	0.24
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	18	0.24
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG12	6	0.24
(1,3060)	1:338:A:TRP:HZ3	1:402:A:ILE:HG23	3	0.24
(1,3051)	1:338:A:TRP:HD1	1:402:A:ILE:HB	17	0.24
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	15	0.24
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	19	0.24
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	13	0.24
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	19	0.24
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	7	0.24
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	15	0.24
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	16	0.24
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	4	0.24
(1,2983)	1:350:A:TYR:HE1	1:349:A:ARG:HD3	4	0.24
(1,2981)	1:350:A:TYR:HE1	1:350:A:TYR:HA	11	0.24
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD22	10	0.24
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG22	1	0.24
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG23	8	0.24
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD13	2	0.24
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD12	17	0.24
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB3	9	0.24
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG23	2	0.24
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG22	6	0.24
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG22	9	0.24
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	20	0.24
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD12	14	0.24
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD11	11	0.24
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD23	11	0.24
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD21	13	0.24
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD13	6	0.24
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD13	16	0.24
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD11	19	0.24
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	3	0.24
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD13	11	0.24
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD12	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2259)	1:433:A:LEU:HD13	1:433:A:LEU:HD22	9	0.24
(1,2251)	1:363:A:ILE:HD12	1:412:A:LEU:HD11	14	0.24
(1,2247)	1:394:A:LEU:HD23	1:403:A:ILE:HG22	12	0.24
(1,2244)	1:400:A:LEU:HD11	1:400:A:LEU:HD21	8	0.24
(1,2228)	1:366:A:ILE:HG21	1:411:A:LEU:HD21	15	0.24
(1,2228)	1:366:A:ILE:HG22	1:411:A:LEU:HD21	16	0.24
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD12	14	0.24
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD12	19	0.24
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD13	20	0.24
(1,2203)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	18	0.24
(1,2173)	1:375:A:LEU:HD23	1:353:A:PHE:HZ	3	0.24
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD21	11	0.24
(1,2154)	1:336:A:LEU:HD13	1:336:A:LEU:HD23	12	0.24
(1,2131)	1:336:A:LEU:H	1:336:A:LEU:HD12	6	0.24
(1,2121)	1:436:A:GLN:HA	1:436:A:GLN:HG2	1	0.24
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	5	0.24
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	20	0.24
(1,2060)	1:431:A:GLU:HA	1:432:A:HIS:HD2	2	0.24
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	18	0.24
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	13	0.24
(1,1999)	1:426:A:ARG:HD2	1:426:A:ARG:HB3	5	0.24
(1,1999)	1:426:A:ARG:HD2	1:426:A:ARG:HB3	7	0.24
(1,1999)	1:426:A:ARG:HD2	1:426:A:ARG:HB3	13	0.24
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	9	0.24
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	10	0.24
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	16	0.24
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	6	0.24
(1,1879)	1:418:A:THR:HG22	1:419:A:PRO:HD3	2	0.24
(1,1879)	1:418:A:THR:HG23	1:419:A:PRO:HD3	7	0.24
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	10	0.24
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	13	0.24
(1,1806)	1:415:A:PHE:HB3	1:415:A:PHE:HD2	14	0.24
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	4	0.24
(1,1752)	1:409:A:GLN:HB3	1:412:A:LEU:HB3	15	0.24
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	14	0.24
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	20	0.24
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	4	0.24
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	15	0.24
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	2	0.24
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	6	0.24
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	5	0.24
(1,1626)	1:405:A:LYS:HE2	1:405:A:LYS:HG3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG22	11	0.24
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG22	4	0.24
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG22	14	0.24
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD21	15	0.24
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	1	0.24
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	5	0.24
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	2	0.24
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	12	0.24
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	20	0.24
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	8	0.24
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	6	0.24
(1,1308)	1:388:A:GLU:HA	1:388:A:GLU:HG3	20	0.24
(1,1290)	1:386:A:THR:HG21	1:385:A:MET:HA	15	0.24
(1,1288)	1:389:A:LYS:H	1:386:A:THR:HG22	19	0.24
(1,1222)	1:380:A:LYS:HE2	1:380:A:LYS:HG3	3	0.24
(1,1222)	1:380:A:LYS:HE2	1:380:A:LYS:HG3	14	0.24
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	17	0.24
(1,1132)	1:374:A:ARG:HB3	1:374:A:ARG:HD3	2	0.24
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD12	5	0.24
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD13	13	0.24
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD13	3	0.24
(1,1005)	1:367:A:VAL:HB	1:367:A:VAL:HG23	8	0.24
(1,994)	1:367:A:VAL:HG11	1:368:A:ASP:HB3	17	0.24
(1,992)	1:367:A:VAL:HG11	1:368:A:ASP:HA	17	0.24
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD12	15	0.24
(1,967)	1:366:A:ILE:HG22	1:368:A:ASP:HB3	5	0.24
(1,967)	1:366:A:ILE:HG22	1:368:A:ASP:HB3	8	0.24
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG22	13	0.24
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG23	17	0.24
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	14	0.24
(1,904)	1:363:A:ILE:HD12	1:414:A:ARG:HD3	10	0.24
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD13	16	0.24
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	6	0.24
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	8	0.24
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	4	0.24
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB1	6	0.24
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	10	0.24
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	18	0.24
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	5	0.24
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	9	0.24
(1,650)	1:354:A:ILE:HG22	1:344:A:LEU:HD12	14	0.24
(1,641)	1:354:A:ILE:HG22	1:345:A:LEU:H	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:354:A:ILE:HG21	1:345:A:LEU:H	4	0.24
(1,641)	1:354:A:ILE:HG22	1:345:A:LEU:H	13	0.24
(1,578)	1:348:A:SER:HB3	1:348:A:SER:HA	4	0.24
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	17	0.24
(1,539)	1:345:A:LEU:HD11	1:354:A:ILE:HA	6	0.24
(1,539)	1:345:A:LEU:HD12	1:354:A:ILE:HA	13	0.24
(1,539)	1:345:A:LEU:HD12	1:354:A:ILE:HA	14	0.24
(1,539)	1:345:A:LEU:HD13	1:354:A:ILE:HA	15	0.24
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	1	0.24
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	2	0.24
(1,529)	1:345:A:LEU:HB3	1:345:A:LEU:HD11	20	0.24
(1,465)	1:344:A:LEU:H	1:343:A:GLN:HG2	17	0.24
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD21	2	0.24
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD21	9	0.24
(1,344)	1:335:A:ARG:HB3	1:335:A:ARG:HG2	16	0.24
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	14	0.24
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB1	7	0.24
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB3	1	0.24
(1,257)	1:375:A:LEU:HD12	1:350:A:TYR:HE1	1	0.24
(1,257)	1:375:A:LEU:HD12	1:350:A:TYR:HE1	16	0.24
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	10	0.24
(1,79)	1:433:A:LEU:H	1:432:A:HIS:HB2	18	0.24
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	17	0.24
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	15	0.23
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	1	0.23
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	13	0.23
(1,3750)	1:401:A:ASN:H	1:402:A:ILE:HG13	10	0.23
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD11	6	0.23
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD21	10	0.23
(1,3704)	1:372:A:LEU:H	1:372:A:LEU:HD23	15	0.23
(1,3699)	1:370:A:ASN:H	1:366:A:ILE:HG23	5	0.23
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	3	0.23
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	18	0.23
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	19	0.23
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	2	0.23
(1,3582)	1:413:A:PHE:HD1	1:366:A:ILE:HD12	3	0.23
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	19	0.23
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	20	0.23
(1,3541)	1:338:A:TRP:HE3	1:422:A:ILE:HD13	3	0.23
(1,3520)	1:419:A:PRO:HA	1:338:A:TRP:HE3	11	0.23
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD2	1	0.23
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	7	0.23
(1,3466)	1:414:A:ARG:HB3	1:414:A:ARG:HG2	1	0.23
(1,3466)	1:414:A:ARG:HB3	1:414:A:ARG:HG2	17	0.23
(1,3459)	1:414:A:ARG:HA	1:414:A:ARG:HD2	14	0.23
(1,3445)	1:411:A:LEU:HD23	1:369:A:PRO:HD3	9	0.23
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD23	11	0.23
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD12	1	0.23
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD12	10	0.23
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	18	0.23
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	9	0.23
(1,3394)	1:403:A:ILE:HD11	1:397:A:TYR:HA	9	0.23
(1,3394)	1:403:A:ILE:HD12	1:397:A:TYR:HA	10	0.23
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG22	12	0.23
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD23	14	0.23
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE3	5	0.23
(1,3338)	1:394:A:LEU:HA	1:403:A:ILE:HG22	11	0.23
(1,3337)	1:392:A:ARG:HG2	1:392:A:ARG:HD3	15	0.23
(1,3336)	1:395:A:ARG:HG3	1:395:A:ARG:HD3	2	0.23
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	3	0.23
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	6	0.23
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	10	0.23
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	16	0.23
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	18	0.23
(1,3281)	1:374:A:ARG:HG2	1:371:A:GLY:HA3	11	0.23
(1,3274)	1:373:A:ALA:HB1	1:376:A:TRP:H	6	0.23
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	5	0.23
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	7	0.23
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	9	0.23
(1,3268)	1:372:A:LEU:HD22	1:375:A:LEU:HB2	14	0.23
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD13	3	0.23
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	11	0.23
(1,3215)	1:365:A:ARG:HG2	1:409:A:GLN:HE22	14	0.23
(1,3203)	1:363:A:ILE:HD12	1:363:A:ILE:HG12	1	0.23
(1,3203)	1:363:A:ILE:HD11	1:363:A:ILE:HG12	2	0.23
(1,3203)	1:363:A:ILE:HD12	1:363:A:ILE:HG12	9	0.23
(1,3203)	1:363:A:ILE:HD13	1:363:A:ILE:HG12	12	0.23
(1,3203)	1:363:A:ILE:HD11	1:363:A:ILE:HG12	14	0.23
(1,3203)	1:363:A:ILE:HD12	1:363:A:ILE:HG12	15	0.23
(1,3203)	1:363:A:ILE:HD13	1:363:A:ILE:HG12	18	0.23
(1,3203)	1:363:A:ILE:HD11	1:363:A:ILE:HG12	20	0.23
(1,3201)	1:358:A:ASP:HB3	1:363:A:ILE:HG12	6	0.23
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	13	0.23
(1,3190)	1:362:A:LYS:HG3	1:356:A:TRP:HH2	12	0.23
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	11	0.23
(1,3168)	1:359:A:LYS:HA	1:359:A:LYS:HE3	17	0.23
(1,3167)	1:359:A:LYS:HA	1:356:A:TRP:HD1	9	0.23
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	8	0.23
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	9	0.23
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	4	0.23
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG23	5	0.23
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	13	0.23
(1,3092)	1:345:A:LEU:HD11	1:344:A:LEU:H	9	0.23
(1,3075)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	14	0.23
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG22	10	0.23
(1,3074)	1:341:A:VAL:HG21	1:338:A:TRP:HB3	15	0.23
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	19	0.23
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG11	10	0.23
(1,3050)	1:338:A:TRP:HD1	1:336:A:LEU:HB2	16	0.23
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	10	0.23
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	16	0.23
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	17	0.23
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	1	0.23
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	5	0.23
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	6	0.23
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	1	0.23
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	13	0.23
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	20	0.23
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	2	0.23
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	14	0.23
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	3	0.23
(1,2976)	1:349:A:ARG:H	1:350:A:TYR:HD2	6	0.23
(1,2960)	1:340:A:TYR:HD2	1:375:A:LEU:HD21	15	0.23
(1,2959)	1:340:A:TYR:HD2	1:344:A:LEU:HG	1	0.23
(1,2902)	1:430:A:LEU:HD11	1:430:A:LEU:H	20	0.23
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG23	3	0.23
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG21	5	0.23
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD12	10	0.23
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD12	15	0.23
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB2	4	0.23
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB2	14	0.23
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG22	8	0.23
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG21	12	0.23
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG22	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD21	8	0.23
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	13	0.23
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD11	9	0.23
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG11	17	0.23
(1,2864)	1:368:A:ASP:H	1:367:A:VAL:HG12	20	0.23
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD12	16	0.23
(1,2858)	1:412:A:LEU:HD21	1:365:A:ARG:H	4	0.23
(1,2858)	1:412:A:LEU:HD21	1:365:A:ARG:H	17	0.23
(1,2840)	1:349:A:ARG:H	1:349:A:ARG:HD2	11	0.23
(1,2840)	1:349:A:ARG:H	1:349:A:ARG:HD2	14	0.23
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD12	15	0.23
(1,2807)	1:434:A:GLU:H	1:433:A:LEU:HB3	8	0.23
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	19	0.23
(1,2749)	1:418:A:THR:H	1:417:A:LYS:HB2	19	0.23
(1,2620)	1:391:A:SER:H	1:391:A:SER:HB2	8	0.23
(1,2597)	1:384:A:ASN:HD22	1:383:A:THR:HG22	4	0.23
(1,2595)	1:384:A:ASN:HD21	1:384:A:ASN:HB2	5	0.23
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD11	4	0.23
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	15	0.23
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD11	12	0.23
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	7	0.23
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	17	0.23
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	18	0.23
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	6	0.23
(1,2264)	1:376:A:TRP:HE1	1:380:A:LYS:HD2	7	0.23
(1,2249)	1:366:A:ILE:HD12	1:411:A:LEU:HD22	12	0.23
(1,2244)	1:400:A:LEU:HD12	1:400:A:LEU:HD21	4	0.23
(1,2244)	1:400:A:LEU:HD13	1:400:A:LEU:HD21	16	0.23
(1,2237)	1:375:A:LEU:HD13	1:375:A:LEU:HD21	1	0.23
(1,2228)	1:366:A:ILE:HG22	1:411:A:LEU:HD21	3	0.23
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	1	0.23
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD22	12	0.23
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD22	5	0.23
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD21	20	0.23
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD23	8	0.23
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	1	0.23
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	6	0.23
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	9	0.23
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	10	0.23
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	11	0.23
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	12	0.23
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	17	0.23
(1,2070)	1:432:A:HIS:HA	1:432:A:HIS:HB2	19	0.23
(1,2060)	1:431:A:GLU:HA	1:432:A:HIS:HD2	15	0.23
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	3	0.23
(1,2023)	1:428:A:ASP:HB2	1:429:A:ARG:HG3	1	0.23
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	6	0.23
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	7	0.23
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG23	7	0.23
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	13	0.23
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	4	0.23
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	7	0.23
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	13	0.23
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	18	0.23
(1,1862)	1:417:A:LYS:HD2	1:418:A:THR:H	13	0.23
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	4	0.23
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	8	0.23
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	9	0.23
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	18	0.23
(1,1696)	1:409:A:GLN:HB3	1:409:A:GLN:HG2	14	0.23
(1,1696)	1:409:A:GLN:HB3	1:409:A:GLN:HG2	16	0.23
(1,1680)	1:409:A:GLN:HA	1:409:A:GLN:HB2	8	0.23
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	5	0.23
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	8	0.23
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	10	0.23
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	13	0.23
(1,1638)	1:406:A:GLU:HG3	1:413:A:PHE:HA	4	0.23
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG22	11	0.23
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG21	1	0.23
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG21	2	0.23
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG22	14	0.23
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	2	0.23
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	6	0.23
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	11	0.23
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	11	0.23
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	20	0.23
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	15	0.23
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	18	0.23
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	19	0.23
(1,1272)	1:383:A:THR:HG23	1:384:A:ASN:HB2	14	0.23
(1,1222)	1:380:A:LYS:HE2	1:380:A:LYS:HG3	12	0.23
(1,1217)	1:380:A:LYS:HG3	1:380:A:LYS:HE3	13	0.23
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:380:A:LYS:HA	1:380:A:LYS:HG2	10	0.23
(1,1116)	1:373:A:ALA:HB2	1:385:A:MET:HG2	11	0.23
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG2	18	0.23
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD11	7	0.23
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD13	16	0.23
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD13	20	0.23
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD11	11	0.23
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD11	2	0.23
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD11	5	0.23
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD12	20	0.23
(1,967)	1:366:A:ILE:HG21	1:368:A:ASP:HB3	9	0.23
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG23	1	0.23
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG22	5	0.23
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG23	15	0.23
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG23	18	0.23
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	20	0.23
(1,900)	1:361:A:SER:HA	1:363:A:ILE:HD11	15	0.23
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD13	2	0.23
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD2	4	0.23
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	4	0.23
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	7	0.23
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	12	0.23
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	13	0.23
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	18	0.23
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	19	0.23
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	20	0.23
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB2	18	0.23
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB2	20	0.23
(1,795)	1:356:A:TRP:HZ2	1:359:A:LYS:HD2	13	0.23
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	17	0.23
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	11	0.23
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG2	8	0.23
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG2	11	0.23
(1,544)	1:345:A:LEU:HD23	1:364:A:PHE:HE2	15	0.23
(1,539)	1:345:A:LEU:HD12	1:354:A:ILE:HA	16	0.23
(1,375)	1:337:A:LEU:HD11	1:393:A:ALA:HB3	3	0.23
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	11	0.23
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB3	8	0.23
(1,257)	1:375:A:LEU:HD12	1:350:A:TYR:HE1	17	0.23
(1,257)	1:375:A:LEU:HD13	1:350:A:TYR:HE1	20	0.23
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	14	0.23
(1,62)	1:375:A:LEU:HD13	1:340:A:TYR:HE2	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	1	0.23
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	4	0.23
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	9	0.23
(1,45)	1:380:A:LYS:H	1:379:A:HIS:HB2	12	0.23
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	16	0.23
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	11	0.22
(1,3772)	1:417:A:LYS:H	1:362:A:LYS:HE3	17	0.22
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	3	0.22
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	12	0.22
(1,3762)	1:409:A:GLN:HE22	1:357:A:GLU:HB3	19	0.22
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	3	0.22
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	10	0.22
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	9	0.22
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG23	9	0.22
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	7	0.22
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	12	0.22
(1,3617)	1:340:A:TYR:H	1:376:A:TRP:HE3	13	0.22
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	8	0.22
(1,3597)	1:432:A:HIS:HD2	1:430:A:LEU:HB3	12	0.22
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	6	0.22
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	15	0.22
(1,3547)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	20	0.22
(1,3518)	1:427:A:THR:HG21	1:431:A:GLU:HG3	19	0.22
(1,3504)	1:362:A:LYS:HE2	1:361:A:SER:H	12	0.22
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	13	0.22
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	2	0.22
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	4	0.22
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	18	0.22
(1,3451)	1:412:A:LEU:HD13	1:365:A:ARG:HD3	3	0.22
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD21	20	0.22
(1,3441)	1:387:A:TYR:HE2	1:411:A:LEU:HD12	17	0.22
(1,3432)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	4	0.22
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	1	0.22
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	2	0.22
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	16	0.22
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	15	0.22
(1,3410)	1:392:A:ARG:HG2	1:392:A:ARG:HD3	20	0.22
(1,3398)	1:403:A:ILE:HD13	1:415:A:PHE:HZ	17	0.22
(1,3361)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	10	0.22
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	20	0.22
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	9	0.22
(1,3337)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3335)	1:392:A:ARG:HB2	1:392:A:ARG:HD3	16	0.22
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	1	0.22
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	7	0.22
(1,3292)	1:356:A:TRP:HD1	1:359:A:LYS:HE2	13	0.22
(1,3274)	1:373:A:ALA:HB1	1:376:A:TRP:H	1	0.22
(1,3268)	1:372:A:LEU:HD22	1:375:A:LEU:HB2	7	0.22
(1,3268)	1:372:A:LEU:HD13	1:375:A:LEU:HB2	8	0.22
(1,3268)	1:372:A:LEU:HD21	1:375:A:LEU:HB2	17	0.22
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD13	19	0.22
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD12	20	0.22
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	3	0.22
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	6	0.22
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	11	0.22
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	13	0.22
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	14	0.22
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	15	0.22
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	17	0.22
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	19	0.22
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	20	0.22
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	11	0.22
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG21	2	0.22
(1,3203)	1:363:A:ILE:HD11	1:363:A:ILE:HG12	4	0.22
(1,3203)	1:363:A:ILE:HD13	1:363:A:ILE:HG12	6	0.22
(1,3203)	1:363:A:ILE:HD12	1:363:A:ILE:HG12	8	0.22
(1,3203)	1:363:A:ILE:HD12	1:363:A:ILE:HG12	10	0.22
(1,3203)	1:363:A:ILE:HD11	1:363:A:ILE:HG12	16	0.22
(1,3203)	1:363:A:ILE:HD11	1:363:A:ILE:HG12	17	0.22
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	6	0.22
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	6	0.22
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	9	0.22
(1,3105)	1:351:A:GLU:HG3	1:350:A:TYR:HA	19	0.22
(1,3075)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	15	0.22
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG21	1	0.22
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG21	5	0.22
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG12	16	0.22
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD13	6	0.22
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	3	0.22
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	6	0.22
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	16	0.22
(1,2983)	1:350:A:TYR:HE2	1:349:A:ARG:HD3	12	0.22
(1,2946)	1:415:A:PHE:HB2	1:362:A:LYS:HD2	18	0.22
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG23	7	0.22
(1,2888)	1:412:A:LEU:HD13	1:406:A:GLU:H	8	0.22
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD12	3	0.22
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD13	5	0.22
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD12	7	0.22
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB1	7	0.22
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB2	8	0.22
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB1	18	0.22
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG23	7	0.22
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	6	0.22
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD13	17	0.22
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD13	1	0.22
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG23	7	0.22
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD13	7	0.22
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD12	9	0.22
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD13	7	0.22
(1,2729)	1:414:A:ARG:HE	1:363:A:ILE:HG12	4	0.22
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD21	12	0.22
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	10	0.22
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	18	0.22
(1,2649)	1:398:A:TYR:H	1:403:A:ILE:HG22	18	0.22
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	13	0.22
(1,2463)	1:362:A:LYS:H	1:362:A:LYS:HD2	17	0.22
(1,2433)	1:358:A:ASP:H	1:358:A:ASP:HB3	3	0.22
(1,2433)	1:358:A:ASP:H	1:358:A:ASP:HB3	8	0.22
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	14	0.22
(1,2305)	1:340:A:TYR:H	1:339:A:ASP:HB2	8	0.22
(1,2262)	1:336:A:LEU:HD13	1:430:A:LEU:HD13	20	0.22
(1,2243)	1:400:A:LEU:HD13	1:402:A:ILE:HD13	8	0.22
(1,2242)	1:394:A:LEU:HD22	1:341:A:VAL:HG11	9	0.22
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD23	3	0.22
(1,2228)	1:366:A:ILE:HG22	1:411:A:LEU:HD23	10	0.22
(1,2228)	1:366:A:ILE:HG23	1:411:A:LEU:HD21	20	0.22
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	6	0.22
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	3	0.22
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	5	0.22
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	10	0.22
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	18	0.22
(1,2170)	1:353:A:PHE:H	1:353:A:PHE:HD2	9	0.22
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD22	3	0.22
(1,2155)	1:336:A:LEU:HD11	1:431:A:GLU:HB2	8	0.22
(1,2154)	1:336:A:LEU:HD12	1:336:A:LEU:HD22	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD22	20	0.22
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD23	3	0.22
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD23	17	0.22
(1,2060)	1:431:A:GLU:HA	1:432:A:HIS:HD2	16	0.22
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	2	0.22
(1,2023)	1:428:A:ASP:HB2	1:429:A:ARG:HG3	6	0.22
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	9	0.22
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	10	0.22
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG21	12	0.22
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG23	15	0.22
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	12	0.22
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	10	0.22
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	8	0.22
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	14	0.22
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	16	0.22
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	14	0.22
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	15	0.22
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	5	0.22
(1,1804)	1:414:A:ARG:HG3	1:414:A:ARG:HD3	4	0.22
(1,1804)	1:414:A:ARG:HG3	1:414:A:ARG:HD3	8	0.22
(1,1804)	1:414:A:ARG:HG3	1:414:A:ARG:HD3	9	0.22
(1,1804)	1:414:A:ARG:HG3	1:414:A:ARG:HD3	10	0.22
(1,1804)	1:414:A:ARG:HG3	1:414:A:ARG:HD3	11	0.22
(1,1804)	1:414:A:ARG:HG3	1:414:A:ARG:HD3	13	0.22
(1,1804)	1:414:A:ARG:HG3	1:414:A:ARG:HD3	15	0.22
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	20	0.22
(1,1752)	1:409:A:GLN:HB3	1:412:A:LEU:HB3	18	0.22
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	9	0.22
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD3	6	0.22
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	6	0.22
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	8	0.22
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	3	0.22
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	16	0.22
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	4	0.22
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	13	0.22
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	2	0.22
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	8	0.22
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG21	8	0.22
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG22	9	0.22
(1,1486)	1:396:A:HIS:HE1	1:400:A:LEU:HD13	12	0.22
(1,1472)	1:399:A:LYS:HD2	1:398:A:TYR:H	2	0.22
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	14	0.22
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	1	0.22
(1,1438)	1:395:A:ARG:HG2	1:395:A:ARG:HD2	16	0.22
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	3	0.22
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	3	0.22
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	6	0.22
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	19	0.22
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	16	0.22
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	17	0.22
(1,1290)	1:386:A:THR:HG23	1:385:A:MET:HA	3	0.22
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	4	0.22
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	3	0.22
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	9	0.22
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB1	1	0.22
(1,1133)	1:374:A:ARG:HB2	1:374:A:ARG:HD2	19	0.22
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD11	1	0.22
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD12	4	0.22
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD13	14	0.22
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD13	18	0.22
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD11	8	0.22
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD12	18	0.22
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD11	19	0.22
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG13	1	0.22
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD11	11	0.22
(1,977)	1:366:A:ILE:HD12	1:337:A:LEU:HD13	15	0.22
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD13	3	0.22
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG22	8	0.22
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG22	11	0.22
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG23	12	0.22
(1,961)	1:368:A:ASP:H	1:366:A:ILE:HG21	16	0.22
(1,947)	1:366:A:ILE:HG13	1:364:A:PHE:HZ	8	0.22
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	8	0.22
(1,904)	1:363:A:ILE:HD13	1:414:A:ARG:HD3	11	0.22
(1,853)	1:362:A:LYS:HB2	1:362:A:LYS:HD3	1	0.22
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	2	0.22
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	19	0.22
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	20	0.22
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	1	0.22
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	18	0.22
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	7	0.22
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	14	0.22
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB2	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	13	0.22
(1,809)	1:392:A:ARG:HA	1:392:A:ARG:HD3	9	0.22
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	11	0.22
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	20	0.22
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	11	0.22
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	19	0.22
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	20	0.22
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	16	0.22
(1,650)	1:354:A:ILE:HG23	1:344:A:LEU:HD11	2	0.22
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD11	16	0.22
(1,641)	1:354:A:ILE:HG22	1:345:A:LEU:H	17	0.22
(1,577)	1:347:A:ASP:HA	1:348:A:SER:HB3	18	0.22
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	8	0.22
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	9	0.22
(1,539)	1:345:A:LEU:HD13	1:354:A:ILE:HA	8	0.22
(1,539)	1:345:A:LEU:HD12	1:354:A:ILE:HA	18	0.22
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD22	15	0.22
(1,503)	1:344:A:LEU:HD11	1:375:A:LEU:HG	1	0.22
(1,503)	1:344:A:LEU:HD13	1:375:A:LEU:HG	12	0.22
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD23	6	0.22
(1,443)	1:337:A:LEU:HD21	1:341:A:VAL:HG13	2	0.22
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	2	0.22
(1,350)	1:335:A:ARG:HD2	1:379:A:HIS:HE1	17	0.22
(1,345)	1:335:A:ARG:HG2	1:336:A:LEU:H	8	0.22
(1,334)	1:413:A:PHE:HZ	1:405:A:LYS:HD2	8	0.22
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB2	16	0.22
(1,258)	1:375:A:LEU:HD21	1:350:A:TYR:HE1	9	0.22
(1,258)	1:375:A:LEU:HD21	1:350:A:TYR:HE1	12	0.22
(1,257)	1:375:A:LEU:HD13	1:350:A:TYR:HE1	2	0.22
(1,257)	1:375:A:LEU:HD12	1:350:A:TYR:HE1	10	0.22
(1,257)	1:375:A:LEU:HD13	1:350:A:TYR:HE1	15	0.22
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	5	0.22
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	17	0.22
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD13	14	0.22
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB1	2	0.21
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG23	15	0.21
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	6	0.21
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	13	0.21
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG23	9	0.21
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	11	0.21
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	10	0.21
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	18	0.21
(1,3643)	1:352:A:ASN:H	1:352:A:ASN:HD21	10	0.21
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	4	0.21
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	14	0.21
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	16	0.21
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD23	12	0.21
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	15	0.21
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	18	0.21
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	13	0.21
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	9	0.21
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	11	0.21
(1,3572)	1:336:A:LEU:HD23	1:376:A:TRP:HH2	7	0.21
(1,3550)	1:395:A:ARG:HB3	1:395:A:ARG:HD3	17	0.21
(1,3547)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	19	0.21
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	12	0.21
(1,3518)	1:427:A:THR:HG22	1:431:A:GLU:HG3	7	0.21
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	2	0.21
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	1	0.21
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	17	0.21
(1,3451)	1:412:A:LEU:HD11	1:365:A:ARG:HD3	15	0.21
(1,3443)	1:411:A:LEU:HD21	1:413:A:PHE:HZ	5	0.21
(1,3429)	1:382:A:ARG:HB2	1:380:A:LYS:HE2	3	0.21
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD23	18	0.21
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	5	0.21
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	18	0.21
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	1	0.21
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	10	0.21
(1,3409)	1:414:A:ARG:HB3	1:404:A:ARG:HD2	15	0.21
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	17	0.21
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG23	20	0.21
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	20	0.21
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD11	12	0.21
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD13	20	0.21
(1,3337)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	1	0.21
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	7	0.21
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD3	7	0.21
(1,3335)	1:392:A:ARG:HB3	1:392:A:ARG:HD2	17	0.21
(1,3330)	1:392:A:ARG:HG3	1:394:A:LEU:H	5	0.21
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	14	0.21
(1,3268)	1:372:A:LEU:HD13	1:375:A:LEU:HB2	20	0.21
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	1	0.21
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	5	0.21
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	7	0.21
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	8	0.21
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	9	0.21
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	10	0.21
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	16	0.21
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	18	0.21
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	10	0.21
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	18	0.21
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	19	0.21
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	20	0.21
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	14	0.21
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG23	3	0.21
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	6	0.21
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	13	0.21
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	17	0.21
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	19	0.21
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	18	0.21
(1,3133)	1:345:A:LEU:HD13	1:355:A:ARG:HB2	5	0.21
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD22	18	0.21
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	17	0.21
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG23	3	0.21
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG23	6	0.21
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	13	0.21
(1,3067)	1:338:A:TRP:H	1:341:A:VAL:HG11	6	0.21
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG11	2	0.21
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	15	0.21
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	19	0.21
(1,3050)	1:338:A:TRP:HD1	1:336:A:LEU:HB2	19	0.21
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD13	9	0.21
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	6	0.21
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	13	0.21
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	18	0.21
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	2	0.21
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	9	0.21
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	8	0.21
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	14	0.21
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	17	0.21
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	1	0.21
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	1	0.21
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	2	0.21
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	4	0.21
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	7	0.21
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	9	0.21
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	10	0.21
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	14	0.21
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	16	0.21
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	20	0.21
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	14	0.21
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	17	0.21
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG11	2	0.21
(1,2902)	1:430:A:LEU:HD13	1:430:A:LEU:H	19	0.21
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG21	14	0.21
(1,2888)	1:412:A:LEU:HD11	1:406:A:GLU:H	9	0.21
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD11	1	0.21
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD12	6	0.21
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB2	11	0.21
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD21	16	0.21
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD11	16	0.21
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD13	5	0.21
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD12	8	0.21
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD11	14	0.21
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD13	19	0.21
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD11	4	0.21
(1,2813)	1:435:A:SER:H	1:436:A:GLN:HB2	1	0.21
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD23	18	0.21
(1,2772)	1:422:A:ILE:H	1:422:A:ILE:HG12	12	0.21
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD21	1	0.21
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	17	0.21
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD12	7	0.21
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	2	0.21
(1,2305)	1:340:A:TYR:H	1:339:A:ASP:HB2	16	0.21
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	15	0.21
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD21	3	0.21
(1,2261)	1:336:A:LEU:HD13	1:430:A:LEU:HD22	6	0.21
(1,2251)	1:363:A:ILE:HD12	1:412:A:LEU:HD11	17	0.21
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD23	10	0.21
(1,2231)	1:372:A:LEU:HD11	1:344:A:LEU:HD11	3	0.21
(1,2228)	1:366:A:ILE:HG23	1:411:A:LEU:HD23	11	0.21
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	13	0.21
(1,2154)	1:336:A:LEU:HD12	1:336:A:LEU:HD23	18	0.21
(1,2146)	1:376:A:TRP:HZ2	1:336:A:LEU:HD13	17	0.21
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD21	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	2	0.21
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	15	0.21
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	11	0.21
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG22	18	0.21
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	1	0.21
(1,1999)	1:426:A:ARG:HD2	1:426:A:ARG:HB3	10	0.21
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	3	0.21
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	1	0.21
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	17	0.21
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	17	0.21
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	1	0.21
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	6	0.21
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	17	0.21
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	5	0.21
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	13	0.21
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	15	0.21
(1,1706)	1:410:A:ARG:H	1:410:A:ARG:HB2	2	0.21
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	11	0.21
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	12	0.21
(1,1696)	1:409:A:GLN:HB3	1:409:A:GLN:HG3	19	0.21
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD22	6	0.21
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	4	0.21
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	5	0.21
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	1	0.21
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	14	0.21
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	17	0.21
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	18	0.21
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	19	0.21
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG21	5	0.21
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG21	6	0.21
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG22	20	0.21
(1,1524)	1:338:A:TRP:HB3	1:402:A:ILE:HD13	20	0.21
(1,1519)	1:402:A:ILE:HG12	1:402:A:ILE:HG22	10	0.21
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG21	4	0.21
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG23	6	0.21
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG21	7	0.21
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	10	0.21
(1,1457)	1:399:A:LYS:HB2	1:398:A:TYR:HB2	17	0.21
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	8	0.21
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	9	0.21
(1,1438)	1:395:A:ARG:HG2	1:395:A:ARG:HD2	4	0.21
(1,1438)	1:395:A:ARG:HG2	1:395:A:ARG:HD2	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1438)	1:395:A:ARG:HG2	1:395:A:ARG:HD2	17	0.21
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	19	0.21
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	14	0.21
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	5	0.21
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	1	0.21
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	4	0.21
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	13	0.21
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	15	0.21
(1,1311)	1:389:A:LYS:HA	1:388:A:GLU:HG2	1	0.21
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	13	0.21
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	14	0.21
(1,1290)	1:386:A:THR:HG21	1:385:A:MET:HA	2	0.21
(1,1290)	1:386:A:THR:HG23	1:385:A:MET:HA	7	0.21
(1,1290)	1:386:A:THR:HG21	1:385:A:MET:HA	9	0.21
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	15	0.21
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	14	0.21
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	12	0.21
(1,1150)	1:376:A:TRP:HB2	1:373:A:ALA:HB1	7	0.21
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD13	6	0.21
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD13	8	0.21
(1,1078)	1:353:A:PHE:HD1	1:372:A:LEU:HA	3	0.21
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	2	0.21
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	4	0.21
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	12	0.21
(1,992)	1:367:A:VAL:HG12	1:368:A:ASP:HA	20	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD13	1	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD13	7	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD13	10	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD13	12	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD13	16	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD12	17	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD12	18	0.21
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD13	19	0.21
(1,944)	1:365:A:ARG:HB2	1:365:A:ARG:HE	19	0.21
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	9	0.21
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	2	0.21
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	1	0.21
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	12	0.21
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	20	0.21
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	2	0.21
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	20	0.21
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG2	19	0.21
(1,641)	1:354:A:ILE:HG22	1:345:A:LEU:H	6	0.21
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG2	10	0.21
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	5	0.21
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	4	0.21
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	19	0.21
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD11	6	0.21
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD12	18	0.21
(1,539)	1:345:A:LEU:HD11	1:354:A:ILE:HA	4	0.21
(1,510)	1:340:A:TYR:HE1	1:344:A:LEU:HD21	8	0.21
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD21	13	0.21
(1,461)	1:343:A:GLN:HG3	1:343:A:GLN:HB2	11	0.21
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	5	0.21
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	6	0.21
(1,345)	1:335:A:ARG:HG2	1:336:A:LEU:H	15	0.21
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	1	0.21
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	5	0.21
(1,258)	1:375:A:LEU:HD22	1:350:A:TYR:HE1	1	0.21
(1,258)	1:375:A:LEU:HD23	1:350:A:TYR:HE1	2	0.21
(1,257)	1:375:A:LEU:HD13	1:350:A:TYR:HE1	4	0.21
(1,257)	1:375:A:LEU:HD12	1:350:A:TYR:HE1	5	0.21
(1,257)	1:375:A:LEU:HD11	1:350:A:TYR:HE1	12	0.21
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	15	0.21
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	10	0.21
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD21	20	0.21
(1,79)	1:433:A:LEU:H	1:432:A:HIS:HB2	2	0.21
(1,79)	1:433:A:LEU:H	1:432:A:HIS:HB2	16	0.21
(1,62)	1:375:A:LEU:HD12	1:340:A:TYR:HE2	4	0.21
(1,62)	1:375:A:LEU:HD11	1:340:A:TYR:HE2	5	0.21
(1,62)	1:375:A:LEU:HD13	1:340:A:TYR:HE2	7	0.21
(1,62)	1:375:A:LEU:HD11	1:340:A:TYR:HE2	17	0.21
(1,62)	1:375:A:LEU:HD12	1:340:A:TYR:HE2	20	0.21
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	6	0.2
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	20	0.2
(1,3750)	1:401:A:ASN:H	1:402:A:ILE:HG13	16	0.2
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB2	4	0.2
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB1	20	0.2
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD11	9	0.2
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	4	0.2
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	20	0.2
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	8	0.2
(1,3685)	1:365:A:ARG:H	1:354:A:ILE:HG13	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG22	10	0.2
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	17	0.2
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG21	20	0.2
(1,3647)	1:354:A:ILE:H	1:353:A:PHE:HD2	12	0.2
(1,3633)	1:343:A:GLN:HE22	1:335:A:ARG:HD2	10	0.2
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	3	0.2
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	19	0.2
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD13	14	0.2
(1,3582)	1:413:A:PHE:HD1	1:366:A:ILE:HD12	4	0.2
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	1	0.2
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	5	0.2
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	9	0.2
(1,3572)	1:336:A:LEU:HD23	1:376:A:TRP:HH2	10	0.2
(1,3557)	1:430:A:LEU:H	1:430:A:LEU:HD21	14	0.2
(1,3547)	1:429:A:ARG:HB2	1:429:A:ARG:HG3	10	0.2
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	15	0.2
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	6	0.2
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	8	0.2
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	15	0.2
(1,3446)	1:411:A:LEU:HD23	1:405:A:LYS:HE3	4	0.2
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD21	3	0.2
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD22	6	0.2
(1,3432)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	13	0.2
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	3	0.2
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	9	0.2
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	12	0.2
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	13	0.2
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	13	0.2
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	19	0.2
(1,3398)	1:403:A:ILE:HD13	1:415:A:PHE:HZ	6	0.2
(1,3379)	1:430:A:LEU:HG	1:427:A:THR:HA	2	0.2
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	18	0.2
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	3	0.2
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	1	0.2
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	14	0.2
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	12	0.2
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	2	0.2
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	8	0.2
(1,3303)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	17	0.2
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	2	0.2
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	8	0.2
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3268)	1:372:A:LEU:HD22	1:375:A:LEU:HB2	3	0.2
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD13	13	0.2
(1,3253)	1:342:A:TYR:HB3	1:343:A:GLN:HA	17	0.2
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	2	0.2
(1,3240)	1:369:A:PRO:HA	1:369:A:PRO:HD2	12	0.2
(1,3229)	1:366:A:ILE:HD13	1:412:A:LEU:HA	13	0.2
(1,3229)	1:366:A:ILE:HD11	1:412:A:LEU:HA	20	0.2
(1,3219)	1:365:A:ARG:HD2	1:409:A:GLN:HE22	14	0.2
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG21	3	0.2
(1,3202)	1:363:A:ILE:HD11	1:414:A:ARG:HH11	20	0.2
(1,3191)	1:362:A:LYS:HG2	1:356:A:TRP:HH2	1	0.2
(1,3191)	1:362:A:LYS:HG2	1:356:A:TRP:HH2	14	0.2
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	5	0.2
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	20	0.2
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	1	0.2
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	8	0.2
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD2	20	0.2
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG23	2	0.2
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG22	7	0.2
(1,3105)	1:351:A:GLU:HG3	1:350:A:TYR:HA	9	0.2
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	4	0.2
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	9	0.2
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG23	1	0.2
(1,3074)	1:341:A:VAL:HG21	1:338:A:TRP:HB3	12	0.2
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG23	10	0.2
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG21	4	0.2
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG12	1	0.2
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG12	4	0.2
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	8	0.2
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	9	0.2
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	13	0.2
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG11	18	0.2
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD22	20	0.2
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD11	16	0.2
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	1	0.2
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	5	0.2
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	4	0.2
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	5	0.2
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	3	0.2
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	4	0.2
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	15	0.2
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	10	0.2
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	11	0.2
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	6	0.2
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	5	0.2
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	6	0.2
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	11	0.2
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	12	0.2
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	13	0.2
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	15	0.2
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	17	0.2
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	18	0.2
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	19	0.2
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	6	0.2
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	2	0.2
(1,2914)	1:375:A:LEU:HD12	1:378:A:ASN:H	20	0.2
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG22	10	0.2
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG23	18	0.2
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG22	7	0.2
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG23	9	0.2
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG21	19	0.2
(1,2896)	1:414:A:ARG:H	1:403:A:ILE:HG21	8	0.2
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD11	12	0.2
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD13	13	0.2
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD13	14	0.2
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD11	18	0.2
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB1	2	0.2
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB2	3	0.2
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG21	18	0.2
(1,2870)	1:375:A:LEU:H	1:375:A:LEU:HD22	7	0.2
(1,2869)	1:375:A:LEU:H	1:375:A:LEU:HD12	3	0.2
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD11	13	0.2
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD11	8	0.2
(1,2860)	1:366:A:ILE:H	1:411:A:LEU:HD11	12	0.2
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD13	4	0.2
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD11	11	0.2
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD22	10	0.2
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD22	14	0.2
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	3	0.2
(1,2433)	1:358:A:ASP:H	1:358:A:ASP:HB3	5	0.2
(1,2433)	1:358:A:ASP:H	1:358:A:ASP:HB3	14	0.2
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	1	0.2
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	10	0.2
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	15	0.2
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	16	0.2
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	20	0.2
(1,2251)	1:363:A:ILE:HD13	1:412:A:LEU:HD11	19	0.2
(1,2249)	1:366:A:ILE:HD13	1:411:A:LEU:HD23	2	0.2
(1,2249)	1:366:A:ILE:HD12	1:411:A:LEU:HD21	4	0.2
(1,2235)	1:354:A:ILE:HD12	1:372:A:LEU:HD23	6	0.2
(1,2231)	1:372:A:LEU:HD12	1:344:A:LEU:HD13	18	0.2
(1,2228)	1:366:A:ILE:HG22	1:411:A:LEU:HD22	6	0.2
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD13	18	0.2
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	4	0.2
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	6	0.2
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	9	0.2
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	16	0.2
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	19	0.2
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD22	15	0.2
(1,2154)	1:336:A:LEU:HD13	1:336:A:LEU:HD22	16	0.2
(1,2136)	1:336:A:LEU:HB3	1:339:A:ASP:HB2	13	0.2
(1,2134)	1:340:A:TYR:H	1:336:A:LEU:HB3	6	0.2
(1,2134)	1:340:A:TYR:H	1:336:A:LEU:HB3	13	0.2
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB2	16	0.2
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD23	8	0.2
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD11	19	0.2
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD12	20	0.2
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	3	0.2
(1,1999)	1:426:A:ARG:HD2	1:426:A:ARG:HB3	18	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	1	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	4	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	5	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	7	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	8	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	9	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	10	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	11	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	13	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	14	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	15	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	16	0.2
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	18	0.2
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	7	0.2
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	5	0.2
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	6	0.2
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	9	0.2
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	20	0.2
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	12	0.2
(1,1879)	1:418:A:THR:HG22	1:419:A:PRO:HD3	14	0.2
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	15	0.2
(1,1856)	1:417:A:LYS:HD2	1:422:A:ILE:HG13	8	0.2
(1,1843)	1:417:A:LYS:HB2	1:421:A:GLU:HB2	19	0.2
(1,1804)	1:414:A:ARG:HG3	1:414:A:ARG:HD3	16	0.2
(1,1782)	1:363:A:ILE:HG22	1:414:A:ARG:HA	17	0.2
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	8	0.2
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	14	0.2
(1,1696)	1:409:A:GLN:HB3	1:409:A:GLN:HG3	10	0.2
(1,1696)	1:409:A:GLN:HB3	1:409:A:GLN:HG2	13	0.2
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD23	3	0.2
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	7	0.2
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	11	0.2
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	12	0.2
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	15	0.2
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	20	0.2
(1,1631)	1:406:A:GLU:HB2	1:406:A:GLU:HA	4	0.2
(1,1631)	1:406:A:GLU:HB2	1:406:A:GLU:HA	5	0.2
(1,1631)	1:406:A:GLU:HB2	1:406:A:GLU:HA	8	0.2
(1,1631)	1:406:A:GLU:HB2	1:406:A:GLU:HA	9	0.2
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG23	20	0.2
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG21	9	0.2
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG21	10	0.2
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG23	11	0.2
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD23	5	0.2
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	2	0.2
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	12	0.2
(1,1438)	1:395:A:ARG:HG2	1:395:A:ARG:HD2	14	0.2
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	15	0.2
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	20	0.2
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	8	0.2
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	16	0.2
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	3	0.2
(1,1202)	1:380:A:LYS:HA	1:380:A:LYS:HG2	12	0.2
(1,1202)	1:380:A:LYS:HA	1:380:A:LYS:HG2	14	0.2
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	8	0.2
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:374:A:ARG:HB2	1:374:A:ARG:HD2	11	0.2
(1,1133)	1:374:A:ARG:HB2	1:374:A:ARG:HD2	20	0.2
(1,1132)	1:374:A:ARG:HB3	1:374:A:ARG:HD3	15	0.2
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD12	3	0.2
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD13	15	0.2
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD12	17	0.2
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	18	0.2
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD12	4	0.2
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD11	5	0.2
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD11	6	0.2
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD11	9	0.2
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	1	0.2
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	5	0.2
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	7	0.2
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	8	0.2
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	9	0.2
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	10	0.2
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG12	5	0.2
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG12	7	0.2
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG11	8	0.2
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG11	16	0.2
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG11	20	0.2
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD11	19	0.2
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD13	4	0.2
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD11	6	0.2
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD12	9	0.2
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD12	14	0.2
(1,967)	1:366:A:ILE:HG23	1:368:A:ASP:HB3	12	0.2
(1,944)	1:365:A:ARG:HB2	1:365:A:ARG:HE	15	0.2
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD2	2	0.2
(1,853)	1:362:A:LYS:HB2	1:362:A:LYS:HD3	14	0.2
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	3	0.2
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	13	0.2
(1,825)	1:363:A:ILE:H	1:361:A:SER:HB3	15	0.2
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	7	0.2
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB2	2	0.2
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	17	0.2
(1,809)	1:392:A:ARG:HA	1:392:A:ARG:HD3	12	0.2
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	2	0.2
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	3	0.2
(1,684)	1:365:A:ARG:H	1:355:A:ARG:HG2	20	0.2
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG2	18	0.2
(1,650)	1:354:A:ILE:HG22	1:344:A:LEU:HD11	7	0.2
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD11	17	0.2
(1,577)	1:347:A:ASP:HA	1:348:A:SER:HB3	17	0.2
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	14	0.2
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	12	0.2
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD12	16	0.2
(1,537)	1:364:A:PHE:HB3	1:345:A:LEU:HD12	20	0.2
(1,510)	1:340:A:TYR:HE1	1:344:A:LEU:HD23	15	0.2
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD23	1	0.2
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD22	20	0.2
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD21	3	0.2
(1,443)	1:337:A:LEU:HD21	1:341:A:VAL:HG13	18	0.2
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD22	15	0.2
(1,375)	1:337:A:LEU:HD11	1:393:A:ALA:HB3	14	0.2
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	13	0.2
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	4	0.2
(1,350)	1:335:A:ARG:HD2	1:379:A:HIS:HE1	2	0.2
(1,348)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	12	0.2
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	16	0.2
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	19	0.2
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB2	14	0.2
(1,284)	1:387:A:TYR:HE2	1:391:A:SER:H	5	0.2
(1,257)	1:375:A:LEU:HD11	1:350:A:TYR:HE1	8	0.2
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	1	0.2
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	7	0.2
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	13	0.2
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	14	0.2
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	16	0.2
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	11	0.2
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	16	0.2
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	17	0.2
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	19	0.2
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD23	17	0.2
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD12	20	0.2
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	9	0.2
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	19	0.2
(1,82)	1:432:A:HIS:HD2	1:431:A:GLU:HB2	3	0.2
(1,81)	1:432:A:HIS:HB3	1:429:A:ARG:HA	14	0.2
(1,79)	1:433:A:LEU:H	1:432:A:HIS:HB2	3	0.2
(1,79)	1:433:A:LEU:H	1:432:A:HIS:HB2	15	0.2
(1,62)	1:375:A:LEU:HD11	1:340:A:TYR:HE2	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	7	0.19
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD13	17	0.19
(1,3680)	1:365:A:ARG:H	1:356:A:TRP:HE3	8	0.19
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	5	0.19
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	17	0.19
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD13	19	0.19
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD23	4	0.19
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	2	0.19
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	4	0.19
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	7	0.19
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	11	0.19
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	14	0.19
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	15	0.19
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	17	0.19
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	20	0.19
(1,3505)	1:417:A:LYS:HE3	1:417:A:LYS:HA	8	0.19
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	8	0.19
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	13	0.19
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	11	0.19
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD2	4	0.19
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	9	0.19
(1,3451)	1:412:A:LEU:HD11	1:365:A:ARG:HD3	5	0.19
(1,3451)	1:412:A:LEU:HD12	1:365:A:ARG:HD3	8	0.19
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD21	4	0.19
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	3	0.19
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD21	14	0.19
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	10	0.19
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	3	0.19
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	12	0.19
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG12	6	0.19
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG13	16	0.19
(1,3386)	1:402:A:ILE:HD12	1:402:A:ILE:HG13	20	0.19
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	1	0.19
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	2	0.19
(1,3367)	1:374:A:ARG:HA	1:374:A:ARG:HE	11	0.19
(1,3349)	1:380:A:LYS:HG2	1:376:A:TRP:HE3	9	0.19
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	11	0.19
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	4	0.19
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	10	0.19
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	12	0.19
(1,3303)	1:360:A:GLU:HG3	1:359:A:LYS:HB2	5	0.19
(1,3268)	1:372:A:LEU:HD21	1:375:A:LEU:HB2	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3268)	1:372:A:LEU:HD13	1:375:A:LEU:HB2	18	0.19
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD11	14	0.19
(1,3235)	1:367:A:VAL:HG22	1:352:A:ASN:HA	6	0.19
(1,3229)	1:366:A:ILE:HD12	1:412:A:LEU:HA	4	0.19
(1,3219)	1:365:A:ARG:HD2	1:409:A:GLN:HE22	19	0.19
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	2	0.19
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	13	0.19
(1,3207)	1:357:A:GLU:HG3	1:363:A:ILE:HG22	8	0.19
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG23	6	0.19
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG22	12	0.19
(1,3205)	1:363:A:ILE:HG23	1:414:A:ARG:HA	14	0.19
(1,3201)	1:358:A:ASP:HB3	1:363:A:ILE:HG12	20	0.19
(1,3187)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	10	0.19
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	16	0.19
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	1	0.19
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG22	8	0.19
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG22	15	0.19
(1,3074)	1:341:A:VAL:HG21	1:338:A:TRP:HB3	9	0.19
(1,3074)	1:342:A:TYR:HB2	1:341:A:VAL:HG21	19	0.19
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG23	14	0.19
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	14	0.19
(1,3062)	1:341:A:VAL:HA	1:344:A:LEU:HG	17	0.19
(1,3060)	1:338:A:TRP:HZ3	1:422:A:ILE:HG13	18	0.19
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD12	18	0.19
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	12	0.19
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	14	0.19
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	9	0.19
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	2	0.19
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	9	0.19
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	15	0.19
(1,2991)	1:387:A:TYR:HD1	1:387:A:TYR:HE1	8	0.19
(1,2976)	1:349:A:ARG:H	1:350:A:TYR:HD2	14	0.19
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	20	0.19
(1,2945)	1:415:A:PHE:HB3	1:362:A:LYS:HD2	9	0.19
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	4	0.19
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	14	0.19
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	19	0.19
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	9	0.19
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	17	0.19
(1,2912)	1:375:A:LEU:HB2	1:376:A:TRP:HB3	1	0.19
(1,2912)	1:375:A:LEU:HB2	1:376:A:TRP:HB3	6	0.19
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG23	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG21	17	0.19
(1,2896)	1:414:A:ARG:H	1:403:A:ILE:HG21	4	0.19
(1,2888)	1:412:A:LEU:HD12	1:406:A:GLU:H	5	0.19
(1,2888)	1:412:A:LEU:HD13	1:406:A:GLU:H	7	0.19
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD11	8	0.19
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD12	11	0.19
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD12	15	0.19
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD11	18	0.19
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD11	2	0.19
(1,2805)	1:434:A:GLU:H	1:434:A:GLU:HG3	10	0.19
(1,2749)	1:418:A:THR:H	1:417:A:LYS:HB2	12	0.19
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	1	0.19
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	12	0.19
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	14	0.19
(1,2514)	1:371:A:GLY:H	1:372:A:LEU:HB3	6	0.19
(1,2484)	1:365:A:ARG:H	1:355:A:ARG:HD2	9	0.19
(1,2454)	1:361:A:SER:H	1:360:A:GLU:HG2	14	0.19
(1,2433)	1:358:A:ASP:H	1:358:A:ASP:HB3	10	0.19
(1,2433)	1:358:A:ASP:H	1:358:A:ASP:HB3	16	0.19
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	9	0.19
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	13	0.19
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	19	0.19
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	4	0.19
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	8	0.19
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	12	0.19
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	18	0.19
(1,2305)	1:340:A:TYR:H	1:339:A:ASP:HB2	19	0.19
(1,2305)	1:340:A:TYR:H	1:339:A:ASP:HB2	20	0.19
(1,2261)	1:336:A:LEU:HD13	1:430:A:LEU:HD22	4	0.19
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD21	18	0.19
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD12	8	0.19
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	14	0.19
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD23	1	0.19
(1,2161)	1:336:A:LEU:HB3	1:336:A:LEU:HD22	12	0.19
(1,2118)	1:436:A:GLN:H	1:436:A:GLN:HG2	8	0.19
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB1	10	0.19
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD22	16	0.19
(1,2060)	1:431:A:GLU:HA	1:432:A:HIS:HD2	4	0.19
(1,2060)	1:431:A:GLU:HA	1:432:A:HIS:HD2	7	0.19
(1,2060)	1:431:A:GLU:HA	1:432:A:HIS:HD2	14	0.19
(1,2033)	1:429:A:ARG:HG2	1:429:A:ARG:HD2	2	0.19
(1,2033)	1:429:A:ARG:HG2	1:429:A:ARG:HD2	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2033)	1:429:A:ARG:HG2	1:429:A:ARG:HD2	6	0.19
(1,2033)	1:429:A:ARG:HG2	1:429:A:ARG:HD2	9	0.19
(1,2033)	1:429:A:ARG:HG2	1:429:A:ARG:HD2	20	0.19
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	5	0.19
(1,2017)	1:427:A:THR:HG21	1:338:A:TRP:HD1	9	0.19
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	19	0.19
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	12	0.19
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	17	0.19
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	8	0.19
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	3	0.19
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	11	0.19
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	15	0.19
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	17	0.19
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	18	0.19
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	19	0.19
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD13	6	0.19
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	2	0.19
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	15	0.19
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	3	0.19
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	11	0.19
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	12	0.19
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	19	0.19
(1,1858)	1:417:A:LYS:HB2	1:417:A:LYS:HD3	17	0.19
(1,1856)	1:417:A:LYS:HD2	1:422:A:ILE:HG13	6	0.19
(1,1842)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	10	0.19
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	18	0.19
(1,1782)	1:363:A:ILE:HG21	1:414:A:ARG:HA	20	0.19
(1,1710)	1:410:A:ARG:HB2	1:410:A:ARG:HD2	15	0.19
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	3	0.19
(1,1654)	1:407:A:PRO:HB2	1:407:A:PRO:HD2	19	0.19
(1,1640)	1:406:A:GLU:HG2	1:407:A:PRO:HD3	8	0.19
(1,1627)	1:405:A:LYS:HE3	1:405:A:LYS:HG2	2	0.19
(1,1597)	1:405:A:LYS:HA	1:405:A:LYS:HD3	4	0.19
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	15	0.19
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG23	18	0.19
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	5	0.19
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	11	0.19
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG23	14	0.19
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG23	16	0.19
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG23	20	0.19
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG22	17	0.19
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG23	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	4	0.19
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	8	0.19
(1,1506)	1:401:A:ASN:HB2	1:426:A:ARG:HB2	12	0.19
(1,1478)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	2	0.19
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	14	0.19
(1,1438)	1:395:A:ARG:HG2	1:395:A:ARG:HD2	1	0.19
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	11	0.19
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	12	0.19
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	5	0.19
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	11	0.19
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	20	0.19
(1,1308)	1:388:A:GLU:HA	1:388:A:GLU:HG3	16	0.19
(1,1290)	1:386:A:THR:HG23	1:385:A:MET:HA	8	0.19
(1,1290)	1:386:A:THR:HG21	1:385:A:MET:HA	10	0.19
(1,1290)	1:386:A:THR:HG23	1:385:A:MET:HA	18	0.19
(1,1245)	1:382:A:ARG:HB2	1:382:A:ARG:HD2	5	0.19
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	8	0.19
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	2	0.19
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	7	0.19
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	11	0.19
(1,1202)	1:380:A:LYS:HA	1:380:A:LYS:HG2	17	0.19
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	3	0.19
(1,1133)	1:374:A:ARG:HB2	1:374:A:ARG:HD2	8	0.19
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD11	9	0.19
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD11	10	0.19
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD12	19	0.19
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	19	0.19
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	6	0.19
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	2	0.19
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	4	0.19
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	5	0.19
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	9	0.19
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	15	0.19
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	3	0.19
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	6	0.19
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	11	0.19
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	13	0.19
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	14	0.19
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	15	0.19
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	16	0.19
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	17	0.19
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	19	0.19
(1,1030)	1:369:A:PRO:HA	1:369:A:PRO:HB2	20	0.19
(1,1004)	1:367:A:VAL:HG22	1:365:A:ARG:HB3	17	0.19
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	17	0.19
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG11	2	0.19
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG12	3	0.19
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG13	4	0.19
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG13	10	0.19
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG13	12	0.19
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD11	8	0.19
(1,973)	1:364:A:PHE:HZ	1:366:A:ILE:HD11	13	0.19
(1,967)	1:366:A:ILE:HG23	1:368:A:ASP:HB3	2	0.19
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG21	16	0.19
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	7	0.19
(1,895)	1:361:A:SER:HB2	1:363:A:ILE:HG12	15	0.19
(1,853)	1:362:A:LYS:HB2	1:362:A:LYS:HD3	9	0.19
(1,853)	1:362:A:LYS:HB2	1:362:A:LYS:HD3	12	0.19
(1,833)	1:358:A:ASP:HB3	1:361:A:SER:HB3	8	0.19
(1,825)	1:363:A:ILE:H	1:361:A:SER:HB3	3	0.19
(1,825)	1:363:A:ILE:H	1:361:A:SER:HB3	10	0.19
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	14	0.19
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB3	3	0.19
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB2	7	0.19
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB2	8	0.19
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	7	0.19
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	8	0.19
(1,798)	1:356:A:TRP:HE1	1:359:A:LYS:HD2	17	0.19
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	2	0.19
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	5	0.19
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	8	0.19
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	6	0.19
(1,694)	1:426:A:ARG:HD3	1:401:A:ASN:HD21	20	0.19
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG3	10	0.19
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD12	1	0.19
(1,650)	1:354:A:ILE:HG22	1:344:A:LEU:HD12	8	0.19
(1,577)	1:347:A:ASP:HA	1:348:A:SER:HB3	1	0.19
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	20	0.19
(1,539)	1:345:A:LEU:HD11	1:354:A:ILE:HA	19	0.19
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD21	12	0.19
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD22	8	0.19
(1,350)	1:335:A:ARG:HD2	1:379:A:HIS:HE1	19	0.19
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	8	0.19
(1,258)	1:375:A:LEU:HD23	1:350:A:TYR:HE1	5	0.19
(1,258)	1:375:A:LEU:HD21	1:350:A:TYR:HE1	10	0.19
(1,258)	1:375:A:LEU:HD23	1:350:A:TYR:HE1	17	0.19
(1,258)	1:375:A:LEU:HD23	1:350:A:TYR:HE1	20	0.19
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	3	0.19
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	6	0.19
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	11	0.19
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	18	0.19
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	19	0.19
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	13	0.19
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	15	0.19
(1,177)	1:413:A:PHE:HB3	1:364:A:PHE:H	4	0.19
(1,152)	1:364:A:PHE:HD2	1:364:A:PHE:HB2	17	0.19
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD22	3	0.19
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD12	12	0.19
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	5	0.19
(1,79)	1:433:A:LEU:H	1:432:A:HIS:HB2	7	0.19
(1,62)	1:375:A:LEU:HD12	1:340:A:TYR:HE2	2	0.19
(1,62)	1:375:A:LEU:HD11	1:340:A:TYR:HE2	16	0.19
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	1	0.19
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	2	0.19
(1,3787)	1:373:A:ALA:H	1:353:A:PHE:HB3	6	0.18
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	18	0.18
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	14	0.18
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	15	0.18
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD11	16	0.18
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG22	5	0.18
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG23	18	0.18
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG22	5	0.18
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	13	0.18
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	20	0.18
(1,3615)	1:413:A:PHE:H	1:365:A:ARG:HB2	15	0.18
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	13	0.18
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	3	0.18
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	8	0.18
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	10	0.18
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	12	0.18
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	16	0.18
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	18	0.18
(1,3577)	1:353:A:PHE:HE2	1:353:A:PHE:HB2	19	0.18
(1,3572)	1:336:A:LEU:HD22	1:376:A:TRP:HH2	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3557)	1:430:A:LEU:H	1:430:A:LEU:HD21	12	0.18
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	1	0.18
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	13	0.18
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	5	0.18
(1,3488)	1:403:A:ILE:HG21	1:415:A:PHE:HD2	3	0.18
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD2	5	0.18
(1,3471)	1:341:A:VAL:HG12	1:415:A:PHE:HZ	3	0.18
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	5	0.18
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	19	0.18
(1,3466)	1:414:A:ARG:HB3	1:414:A:ARG:HG2	12	0.18
(1,3443)	1:411:A:LEU:HD21	1:413:A:PHE:HZ	7	0.18
(1,3434)	1:355:A:ARG:HD3	1:351:A:GLU:HB2	17	0.18
(1,3429)	1:382:A:ARG:HB2	1:380:A:LYS:HE2	12	0.18
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	11	0.18
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	17	0.18
(1,3410)	1:392:A:ARG:HG2	1:392:A:ARG:HD3	8	0.18
(1,3407)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	13	0.18
(1,3393)	1:341:A:VAL:HG23	1:403:A:ILE:HG22	4	0.18
(1,3393)	1:341:A:VAL:HG22	1:403:A:ILE:HG21	9	0.18
(1,3386)	1:402:A:ILE:HD12	1:402:A:ILE:HG12	2	0.18
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG12	10	0.18
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG12	12	0.18
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD23	20	0.18
(1,3379)	1:430:A:LEU:HG	1:427:A:THR:HA	16	0.18
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	8	0.18
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	14	0.18
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD12	17	0.18
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	2	0.18
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	9	0.18
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	6	0.18
(1,3312)	1:429:A:ARG:HB3	1:429:A:ARG:HG2	2	0.18
(1,3312)	1:429:A:ARG:HB3	1:429:A:ARG:HG2	3	0.18
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	1	0.18
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	7	0.18
(1,3281)	1:374:A:ARG:HG2	1:371:A:GLY:HA3	3	0.18
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	4	0.18
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD11	17	0.18
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	1	0.18
(1,3229)	1:366:A:ILE:HD12	1:412:A:LEU:HA	3	0.18
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	18	0.18
(1,3207)	1:357:A:GLU:HG3	1:363:A:ILE:HG23	11	0.18
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG23	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3205)	1:363:A:ILE:HG21	1:414:A:ARG:HA	10	0.18
(1,3177)	1:359:A:LYS:HD2	1:360:A:GLU:HA	17	0.18
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	18	0.18
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	16	0.18
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	17	0.18
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	16	0.18
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	5	0.18
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	10	0.18
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	12	0.18
(1,3075)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	8	0.18
(1,3073)	1:364:A:PHE:HE2	1:341:A:VAL:HG21	7	0.18
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG23	12	0.18
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG23	19	0.18
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	6	0.18
(1,3039)	1:393:A:ALA:H	1:337:A:LEU:HD13	4	0.18
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	20	0.18
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	13	0.18
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	17	0.18
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	16	0.18
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	13	0.18
(1,2921)	1:396:A:HIS:HA	1:400:A:LEU:HD12	16	0.18
(1,2912)	1:375:A:LEU:HB2	1:376:A:TRP:HB3	9	0.18
(1,2902)	1:430:A:LEU:HD12	1:430:A:LEU:H	6	0.18
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG21	3	0.18
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG23	8	0.18
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG22	16	0.18
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG23	4	0.18
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG21	13	0.18
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG22	15	0.18
(1,2896)	1:414:A:ARG:H	1:403:A:ILE:HG22	9	0.18
(1,2888)	1:412:A:LEU:HD11	1:406:A:GLU:H	2	0.18
(1,2888)	1:412:A:LEU:HD11	1:406:A:GLU:H	6	0.18
(1,2888)	1:412:A:LEU:HD11	1:406:A:GLU:H	18	0.18
(1,2886)	1:403:A:ILE:H	1:403:A:ILE:HD13	16	0.18
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB2	12	0.18
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG23	19	0.18
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD13	5	0.18
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD13	19	0.18
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG21	17	0.18
(1,2840)	1:349:A:ARG:H	1:349:A:ARG:HD2	4	0.18
(1,2805)	1:434:A:GLU:H	1:434:A:GLU:HG3	8	0.18
(1,2784)	1:426:A:ARG:H	1:426:A:ARG:HG2	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	19	0.18
(1,2783)	1:426:A:ARG:H	1:426:A:ARG:HG3	20	0.18
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD21	6	0.18
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD23	20	0.18
(1,2706)	1:409:A:GLN:HE21	1:410:A:ARG:HG2	19	0.18
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	14	0.18
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	19	0.18
(1,2510)	1:370:A:ASN:HD21	1:370:A:ASN:HA	2	0.18
(1,2484)	1:365:A:ARG:H	1:355:A:ARG:HD2	7	0.18
(1,2455)	1:361:A:SER:H	1:360:A:GLU:HB2	17	0.18
(1,2433)	1:358:A:ASP:H	1:358:A:ASP:HB3	15	0.18
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	1	0.18
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	15	0.18
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	3	0.18
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	4	0.18
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	5	0.18
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	8	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	1	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	2	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	3	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	5	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	6	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	7	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	9	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	10	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	13	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	14	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	15	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	16	0.18
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	20	0.18
(1,2305)	1:340:A:TYR:H	1:339:A:ASP:HB2	11	0.18
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	10	0.18
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD22	8	0.18
(1,2248)	1:411:A:LEU:HD11	1:411:A:LEU:HD23	13	0.18
(1,2245)	1:402:A:ILE:HG23	1:403:A:ILE:HD13	15	0.18
(1,2235)	1:354:A:ILE:HD12	1:372:A:LEU:HD23	1	0.18
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD22	17	0.18
(1,2225)	1:394:A:LEU:HD21	1:366:A:ILE:HD13	12	0.18
(1,2154)	1:336:A:LEU:HD12	1:336:A:LEU:HD21	7	0.18
(1,2154)	1:336:A:LEU:HD13	1:336:A:LEU:HD22	9	0.18
(1,2154)	1:336:A:LEU:HD12	1:336:A:LEU:HD23	17	0.18
(1,2154)	1:336:A:LEU:HD13	1:336:A:LEU:HD21	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:433:A:LEU:HG	1:434:A:GLU:HG3	15	0.18
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB2	1	0.18
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	9	0.18
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	20	0.18
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	14	0.18
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	5	0.18
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	9	0.18
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	15	0.18
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	17	0.18
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	1	0.18
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	2	0.18
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	7	0.18
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	10	0.18
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	12	0.18
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD13	3	0.18
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	5	0.18
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	1	0.18
(1,1879)	1:418:A:THR:HG21	1:419:A:PRO:HD3	9	0.18
(1,1859)	1:417:A:LYS:HD2	1:417:A:LYS:HB2	10	0.18
(1,1856)	1:417:A:LYS:HD2	1:422:A:ILE:HG13	7	0.18
(1,1856)	1:417:A:LYS:HD2	1:422:A:ILE:HG13	20	0.18
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	17	0.18
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	20	0.18
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	17	0.18
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	8	0.18
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	14	0.18
(1,1746)	1:406:A:GLU:H	1:412:A:LEU:HB2	5	0.18
(1,1710)	1:410:A:ARG:HB2	1:410:A:ARG:HD2	19	0.18
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG2	18	0.18
(1,1661)	1:406:A:GLU:HA	1:407:A:PRO:HD2	20	0.18
(1,1628)	1:405:A:LYS:HG2	1:405:A:LYS:HE2	8	0.18
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	14	0.18
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD12	10	0.18
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG22	8	0.18
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	12	0.18
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	15	0.18
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG21	17	0.18
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG22	2	0.18
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG22	17	0.18
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG22	19	0.18
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG21	20	0.18
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:399:A:LYS:HE3	1:400:A:LEU:HD22	19	0.18
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	4	0.18
(1,1438)	1:395:A:ARG:HG2	1:395:A:ARG:HD2	3	0.18
(1,1438)	1:395:A:ARG:HG2	1:395:A:ARG:HD2	13	0.18
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	18	0.18
(1,1425)	1:389:A:LYS:HD3	1:386:A:THR:HA	20	0.18
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	10	0.18
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	15	0.18
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	5	0.18
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	7	0.18
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	10	0.18
(1,1299)	1:388:A:GLU:HA	1:391:A:SER:HB3	9	0.18
(1,1290)	1:386:A:THR:HG23	1:385:A:MET:HA	1	0.18
(1,1290)	1:386:A:THR:HG23	1:385:A:MET:HA	6	0.18
(1,1290)	1:386:A:THR:HG22	1:385:A:MET:HA	16	0.18
(1,1289)	1:386:A:THR:H	1:386:A:THR:HG23	5	0.18
(1,1289)	1:386:A:THR:H	1:386:A:THR:HG21	20	0.18
(1,1284)	1:385:A:MET:H	1:385:A:MET:HG3	10	0.18
(1,1272)	1:383:A:THR:HG23	1:384:A:ASN:HB2	3	0.18
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	16	0.18
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	11	0.18
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	15	0.18
(1,1133)	1:374:A:ARG:HB2	1:374:A:ARG:HD2	7	0.18
(1,1115)	1:373:A:ALA:HB2	1:376:A:TRP:HB3	5	0.18
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD11	11	0.18
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD12	12	0.18
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	3	0.18
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	5	0.18
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	15	0.18
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	20	0.18
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	7	0.18
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	11	0.18
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	13	0.18
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	18	0.18
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	20	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	1	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	3	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	8	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	10	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	12	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	14	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	17	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	18	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	19	0.18
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	20	0.18
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	20	0.18
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG13	9	0.18
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG12	13	0.18
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG11	14	0.18
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG13	15	0.18
(1,977)	1:366:A:ILE:HD12	1:337:A:LEU:HD11	17	0.18
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG21	6	0.18
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	6	0.18
(1,900)	1:361:A:SER:HA	1:363:A:ILE:HD13	5	0.18
(1,873)	1:362:A:LYS:HG3	1:362:A:LYS:HE2	17	0.18
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	10	0.18
(1,851)	1:362:A:LYS:HB3	1:362:A:LYS:HD2	18	0.18
(1,833)	1:358:A:ASP:HB3	1:361:A:SER:HB3	3	0.18
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	9	0.18
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	2	0.18
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	6	0.18
(1,815)	1:360:A:GLU:HB3	1:360:A:GLU:HG2	1	0.18
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	8	0.18
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB2	15	0.18
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	15	0.18
(1,809)	1:392:A:ARG:HA	1:392:A:ARG:HD3	16	0.18
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	14	0.18
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	16	0.18
(1,694)	1:426:A:ARG:HD2	1:401:A:ASN:HD21	12	0.18
(1,577)	1:347:A:ASP:HA	1:348:A:SER:HB3	7	0.18
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	1	0.18
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	20	0.18
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD11	7	0.18
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD13	9	0.18
(1,510)	1:340:A:TYR:HE1	1:344:A:LEU:HD22	16	0.18
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD22	2	0.18
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD21	5	0.18
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	4	0.18
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD23	5	0.18
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD22	10	0.18
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	3	0.18
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	3	0.18
(1,341)	1:335:A:ARG:HA	1:335:A:ARG:HG2	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:375:A:LEU:HD23	1:350:A:TYR:HE1	6	0.18
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	4	0.18
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	20	0.18
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	3	0.18
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	4	0.18
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	6	0.18
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	7	0.18
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	14	0.18
(1,174)	1:415:A:PHE:HA	1:404:A:ARG:H	10	0.18
(1,152)	1:364:A:PHE:HD2	1:364:A:PHE:HB2	7	0.18
(1,152)	1:364:A:PHE:HD2	1:364:A:PHE:HB2	20	0.18
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD23	13	0.18
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD13	7	0.18
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	4	0.18
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	6	0.18
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	12	0.18
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	20	0.18
(1,62)	1:375:A:LEU:HD13	1:340:A:TYR:HE2	18	0.18
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	12	0.18
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	6	0.18
(1,24)	1:376:A:TRP:HD1	1:380:A:LYS:HE2	19	0.18
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	10	0.17
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	6	0.17
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	12	0.17
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	19	0.17
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	20	0.17
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB2	12	0.17
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	7	0.17
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	14	0.17
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	7	0.17
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG21	4	0.17
(1,3626)	1:336:A:LEU:H	1:336:A:LEU:HB2	13	0.17
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	8	0.17
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	9	0.17
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	11	0.17
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	15	0.17
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	18	0.17
(1,3589)	1:344:A:LEU:HD11	1:350:A:TYR:HD1	8	0.17
(1,3589)	1:344:A:LEU:HD12	1:350:A:TYR:HD1	10	0.17
(1,3584)	1:350:A:TYR:HE1	1:349:A:ARG:HD3	15	0.17
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD12	17	0.17
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD23	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD23	14	0.17
(1,3563)	1:421:A:GLU:HG2	1:417:A:LYS:HD3	1	0.17
(1,3543)	1:338:A:TRP:HZ3	1:422:A:ILE:HD12	20	0.17
(1,3539)	1:422:A:ILE:HG23	1:402:A:ILE:HG22	10	0.17
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	16	0.17
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	5	0.17
(1,3505)	1:405:A:LYS:HE2	1:413:A:PHE:HA	4	0.17
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	3	0.17
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	20	0.17
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	14	0.17
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	16	0.17
(1,3445)	1:411:A:LEU:HD21	1:369:A:PRO:HD3	8	0.17
(1,3434)	1:355:A:ARG:HD2	1:351:A:GLU:HB2	16	0.17
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	9	0.17
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	10	0.17
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	6	0.17
(1,3410)	1:392:A:ARG:HG2	1:392:A:ARG:HD2	10	0.17
(1,3386)	1:402:A:ILE:HD11	1:402:A:ILE:HG12	4	0.17
(1,3386)	1:402:A:ILE:HD12	1:402:A:ILE:HG12	5	0.17
(1,3386)	1:402:A:ILE:HD11	1:402:A:ILE:HG12	7	0.17
(1,3386)	1:402:A:ILE:HD11	1:402:A:ILE:HG12	8	0.17
(1,3386)	1:402:A:ILE:HD12	1:402:A:ILE:HG12	18	0.17
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	4	0.17
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	9	0.17
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	12	0.17
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	13	0.17
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	15	0.17
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	12	0.17
(1,3330)	1:392:A:ARG:HG3	1:394:A:LEU:H	4	0.17
(1,3330)	1:392:A:ARG:HG3	1:394:A:LEU:H	20	0.17
(1,3325)	1:389:A:LYS:HA	1:389:A:LYS:HD2	11	0.17
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	17	0.17
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	1	0.17
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	4	0.17
(1,3296)	1:378:A:ASN:HB3	1:374:A:ARG:HG3	18	0.17
(1,3268)	1:372:A:LEU:HD21	1:375:A:LEU:HB2	13	0.17
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD13	16	0.17
(1,3253)	1:342:A:TYR:HB3	1:343:A:GLN:HA	11	0.17
(1,3219)	1:404:A:ARG:HD2	1:414:A:ARG:HH11	15	0.17
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	1	0.17
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	6	0.17
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	16	0.17
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG22	15	0.17
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	2	0.17
(1,3167)	1:359:A:LYS:HA	1:356:A:TRP:HD1	11	0.17
(1,3167)	1:361:A:SER:H	1:359:A:LYS:HA	12	0.17
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	2	0.17
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	5	0.17
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	20	0.17
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	2	0.17
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	8	0.17
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	19	0.17
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG22	7	0.17
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	5	0.17
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	12	0.17
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	20	0.17
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	1	0.17
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	12	0.17
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	8	0.17
(1,2976)	1:349:A:ARG:H	1:350:A:TYR:HD2	10	0.17
(1,2963)	1:340:A:TYR:HD2	1:375:A:LEU:HB3	19	0.17
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	13	0.17
(1,2959)	1:340:A:TYR:HD2	1:344:A:LEU:HG	14	0.17
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG12	16	0.17
(1,2946)	1:415:A:PHE:HB2	1:362:A:LYS:HD3	4	0.17
(1,2946)	1:415:A:PHE:HB2	1:362:A:LYS:HD3	19	0.17
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	6	0.17
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	9	0.17
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	4	0.17
(1,2912)	1:375:A:LEU:HB2	1:376:A:TRP:HB3	12	0.17
(1,2902)	1:430:A:LEU:HD12	1:430:A:LEU:H	4	0.17
(1,2901)	1:428:A:ASP:H	1:427:A:THR:HG21	14	0.17
(1,2899)	1:424:A:SER:H	1:422:A:ILE:HG22	16	0.17
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG22	11	0.17
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG21	14	0.17
(1,2896)	1:414:A:ARG:H	1:403:A:ILE:HG23	10	0.17
(1,2888)	1:412:A:LEU:HD13	1:406:A:GLU:H	19	0.17
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD21	3	0.17
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD22	15	0.17
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB1	6	0.17
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD12	10	0.17
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD11	2	0.17
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD13	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD13	7	0.17
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD13	12	0.17
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD11	13	0.17
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD11	16	0.17
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD11	20	0.17
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD12	1	0.17
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD13	4	0.17
(1,2824)	1:399:A:LYS:H	1:400:A:LEU:HD12	3	0.17
(1,2805)	1:434:A:GLU:H	1:434:A:GLU:HG3	2	0.17
(1,2729)	1:414:A:ARG:HE	1:363:A:ILE:HG12	7	0.17
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD23	15	0.17
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	1	0.17
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	6	0.17
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	10	0.17
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	13	0.17
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	2	0.17
(1,2484)	1:365:A:ARG:H	1:355:A:ARG:HD2	11	0.17
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD11	6	0.17
(1,2376)	1:349:A:ARG:H	1:348:A:SER:HB2	6	0.17
(1,2358)	1:347:A:ASP:H	1:343:A:GLN:HE22	11	0.17
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	19	0.17
(1,2251)	1:363:A:ILE:HD13	1:412:A:LEU:HD11	10	0.17
(1,2248)	1:411:A:LEU:HD12	1:411:A:LEU:HD23	7	0.17
(1,2248)	1:411:A:LEU:HD12	1:411:A:LEU:HD21	10	0.17
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD22	15	0.17
(1,2203)	1:433:A:LEU:HD21	1:432:A:HIS:HB2	14	0.17
(1,2181)	1:364:A:PHE:HD2	1:364:A:PHE:HB3	2	0.17
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD23	14	0.17
(1,2130)	1:356:A:TRP:HH2	1:362:A:LYS:HD2	3	0.17
(1,2086)	1:430:A:LEU:HD21	1:396:A:HIS:HB2	17	0.17
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB2	13	0.17
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD12	1	0.17
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	14	0.17
(1,2033)	1:429:A:ARG:HG2	1:429:A:ARG:HD2	13	0.17
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	12	0.17
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG21	8	0.17
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	6	0.17
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	14	0.17
(1,2003)	1:426:A:ARG:HB3	1:426:A:ARG:HG3	6	0.17
(1,1999)	1:426:A:ARG:HD2	1:426:A:ARG:HB3	9	0.17
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	5	0.17
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	11	0.17
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	7	0.17
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	19	0.17
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	4	0.17
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	8	0.17
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	13	0.17
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	14	0.17
(1,1972)	1:423:A:MET:HA	1:423:A:MET:HB2	16	0.17
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD11	17	0.17
(1,1921)	1:420:A:ASP:HB2	1:421:A:GLU:HA	19	0.17
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	7	0.17
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	8	0.17
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	10	0.17
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	15	0.17
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	18	0.17
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	20	0.17
(1,1857)	1:417:A:LYS:HD3	1:422:A:ILE:HG13	17	0.17
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	9	0.17
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	2	0.17
(1,1823)	1:415:A:PHE:HB2	1:415:A:PHE:HD2	1	0.17
(1,1823)	1:415:A:PHE:HB2	1:415:A:PHE:HD2	11	0.17
(1,1823)	1:415:A:PHE:HB2	1:415:A:PHE:HD2	20	0.17
(1,1784)	1:414:A:ARG:HB2	1:414:A:ARG:HE	16	0.17
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	3	0.17
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD3	14	0.17
(1,1710)	1:410:A:ARG:HB3	1:410:A:ARG:HD3	18	0.17
(1,1706)	1:410:A:ARG:H	1:410:A:ARG:HB2	3	0.17
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	2	0.17
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	18	0.17
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	19	0.17
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	20	0.17
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG2	1	0.17
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG3	3	0.17
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG2	6	0.17
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG2	7	0.17
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG3	13	0.17
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG2	15	0.17
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG3	16	0.17
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG2	17	0.17
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	9	0.17
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	10	0.17
(1,1638)	1:406:A:GLU:HG3	1:413:A:PHE:HA	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD13	14	0.17
(1,1564)	1:397:A:TYR:HB3	1:403:A:ILE:HD12	4	0.17
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	1	0.17
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG21	6	0.17
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG21	7	0.17
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG23	18	0.17
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG21	1	0.17
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG21	12	0.17
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	2	0.17
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	4	0.17
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	8	0.17
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	9	0.17
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	12	0.17
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	20	0.17
(1,1486)	1:396:A:HIS:HE1	1:400:A:LEU:HD11	8	0.17
(1,1486)	1:396:A:HIS:HE1	1:400:A:LEU:HD12	14	0.17
(1,1478)	1:399:A:LYS:HE2	1:400:A:LEU:HD23	14	0.17
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	15	0.17
(1,1420)	1:395:A:ARG:HA	1:395:A:ARG:HD3	9	0.17
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	2	0.17
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	13	0.17
(1,1318)	1:389:A:LYS:HG2	1:386:A:THR:H	16	0.17
(1,1311)	1:389:A:LYS:HA	1:388:A:GLU:HG2	2	0.17
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG3	8	0.17
(1,1299)	1:388:A:GLU:HA	1:391:A:SER:HB3	8	0.17
(1,1291)	1:386:A:THR:HG23	1:389:A:LYS:HE2	17	0.17
(1,1290)	1:386:A:THR:HG21	1:385:A:MET:HA	12	0.17
(1,1290)	1:386:A:THR:HG23	1:385:A:MET:HA	17	0.17
(1,1290)	1:386:A:THR:HG21	1:385:A:MET:HA	20	0.17
(1,1289)	1:386:A:THR:H	1:386:A:THR:HG21	15	0.17
(1,1289)	1:386:A:THR:H	1:386:A:THR:HG22	19	0.17
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG21	14	0.17
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	6	0.17
(1,1207)	1:376:A:TRP:HZ2	1:380:A:LYS:HD2	8	0.17
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	6	0.17
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	10	0.17
(1,1132)	1:374:A:ARG:HB3	1:374:A:ARG:HD3	5	0.17
(1,1116)	1:373:A:ALA:HB1	1:385:A:MET:HG2	20	0.17
(1,1103)	1:341:A:VAL:HG13	1:372:A:LEU:HD12	8	0.17
(1,1103)	1:341:A:VAL:HG13	1:372:A:LEU:HD13	9	0.17
(1,1100)	1:340:A:TYR:HE2	1:372:A:LEU:HD12	2	0.17
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	14	0.17
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD12	2	0.17
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	3	0.17
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	5	0.17
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	8	0.17
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	14	0.17
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	16	0.17
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	17	0.17
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	19	0.17
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	7	0.17
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	11	0.17
(1,1001)	1:367:A:VAL:HG23	1:366:A:ILE:HA	9	0.17
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	11	0.17
(1,1001)	1:367:A:VAL:HG23	1:366:A:ILE:HA	13	0.17
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG13	17	0.17
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG12	18	0.17
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG13	19	0.17
(1,977)	1:366:A:ILE:HD11	1:337:A:LEU:HD11	5	0.17
(1,967)	1:366:A:ILE:HG23	1:368:A:ASP:HB3	15	0.17
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG21	14	0.17
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	3	0.17
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD2	8	0.17
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD3	15	0.17
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	7	0.17
(1,827)	1:362:A:LYS:H	1:361:A:SER:HB3	9	0.17
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	3	0.17
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	5	0.17
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	8	0.17
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	10	0.17
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	15	0.17
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	16	0.17
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	2	0.17
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG2	6	0.17
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB1	19	0.17
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	18	0.17
(1,794)	1:359:A:LYS:HA	1:359:A:LYS:HD3	15	0.17
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	12	0.17
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	14	0.17
(1,771)	1:358:A:ASP:HB3	1:363:A:ILE:HB	5	0.17
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD23	18	0.17
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	7	0.17
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	15	0.17
(1,737)	1:415:A:PHE:HB3	1:356:A:TRP:HZ3	19	0.17
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	4	0.17
(1,694)	1:426:A:ARG:HD3	1:401:A:ASN:HD21	19	0.17
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD11	13	0.17
(1,577)	1:347:A:ASP:HA	1:348:A:SER:HB3	10	0.17
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	18	0.17
(1,553)	1:346:A:SER:HB3	1:347:A:ASP:HB3	7	0.17
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD11	4	0.17
(1,510)	1:340:A:TYR:HE1	1:344:A:LEU:HD22	19	0.17
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD21	11	0.17
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	13	0.17
(1,392)	1:340:A:TYR:HB2	1:337:A:LEU:HD23	19	0.17
(1,375)	1:337:A:LEU:HD13	1:393:A:ALA:HB1	9	0.17
(1,350)	1:335:A:ARG:HD2	1:379:A:HIS:HE1	5	0.17
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB1	11	0.17
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB3	19	0.17
(1,278)	1:387:A:TYR:HD2	1:387:A:TYR:H	1	0.17
(1,257)	1:375:A:LEU:HD12	1:350:A:TYR:HE1	13	0.17
(1,257)	1:375:A:LEU:HD13	1:350:A:TYR:HE1	19	0.17
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	2	0.17
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	8	0.17
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	12	0.17
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	1	0.17
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	5	0.17
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	8	0.17
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB2	11	0.17
(1,174)	1:415:A:PHE:HA	1:404:A:ARG:H	11	0.17
(1,152)	1:364:A:PHE:HD2	1:364:A:PHE:HB2	15	0.17
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	3	0.17
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	8	0.17
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	16	0.17
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD12	3	0.17
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD12	11	0.17
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	5	0.17
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	12	0.17
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	13	0.17
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	14	0.17
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	9	0.17
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	11	0.17
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	13	0.17
(1,79)	1:433:A:LEU:H	1:432:A:HIS:HB2	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD11	15	0.17
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD13	16	0.17
(1,62)	1:375:A:LEU:HD13	1:340:A:TYR:HE2	9	0.17
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	9	0.17
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	20	0.16
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	4	0.16
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	11	0.16
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	15	0.16
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	17	0.16
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	18	0.16
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	19	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	1	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	2	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	3	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	4	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	5	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	7	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	8	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	10	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	11	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	13	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	16	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	17	0.16
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	18	0.16
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB3	9	0.16
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD11	13	0.16
(1,3707)	1:373:A:ALA:H	1:372:A:LEU:HD12	2	0.16
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	4	0.16
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	19	0.16
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	8	0.16
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	20	0.16
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG23	12	0.16
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG23	19	0.16
(1,3589)	1:344:A:LEU:HD13	1:350:A:TYR:HD1	3	0.16
(1,3582)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	15	0.16
(1,3579)	1:410:A:ARG:HA	1:410:A:ARG:HD3	13	0.16
(1,3563)	1:421:A:GLU:HG2	1:417:A:LYS:HD3	16	0.16
(1,3509)	1:418:A:THR:HA	1:362:A:LYS:HD2	14	0.16
(1,3508)	1:417:A:LYS:HB2	1:417:A:LYS:HE2	15	0.16
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	6	0.16
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	16	0.16
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3471)	1:341:A:VAL:HG11	1:415:A:PHE:HZ	20	0.16
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	2	0.16
(1,3451)	1:412:A:LEU:HD12	1:365:A:ARG:HD3	19	0.16
(1,3435)	1:365:A:ARG:HD2	1:412:A:LEU:H	11	0.16
(1,3435)	1:347:A:ASP:HB2	1:343:A:GLN:HE22	16	0.16
(1,3410)	1:404:A:ARG:HG3	1:404:A:ARG:HD2	11	0.16
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	14	0.16
(1,3386)	1:402:A:ILE:HD12	1:402:A:ILE:HG12	1	0.16
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG12	3	0.16
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG12	9	0.16
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG12	11	0.16
(1,3386)	1:402:A:ILE:HD12	1:402:A:ILE:HG12	13	0.16
(1,3386)	1:402:A:ILE:HD12	1:402:A:ILE:HG12	14	0.16
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG12	15	0.16
(1,3386)	1:402:A:ILE:HD13	1:402:A:ILE:HG12	17	0.16
(1,3386)	1:402:A:ILE:HD12	1:402:A:ILE:HG12	19	0.16
(1,3371)	1:399:A:LYS:HG3	1:398:A:TYR:H	13	0.16
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	16	0.16
(1,3368)	1:399:A:LYS:HA	1:401:A:ASN:HD22	18	0.16
(1,3362)	1:395:A:ARG:HB3	1:395:A:ARG:HD2	19	0.16
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD12	6	0.16
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	10	0.16
(1,3315)	1:392:A:ARG:HA	1:392:A:ARG:HB3	3	0.16
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	6	0.16
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	13	0.16
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	5	0.16
(1,3303)	1:434:A:GLU:HG2	1:393:A:ALA:HB2	4	0.16
(1,3303)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	9	0.16
(1,3280)	1:392:A:ARG:HG3	1:389:A:LYS:HA	20	0.16
(1,3268)	1:372:A:LEU:HD21	1:375:A:LEU:HB2	2	0.16
(1,3268)	1:372:A:LEU:HD22	1:375:A:LEU:HB2	6	0.16
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	9	0.16
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	20	0.16
(1,3229)	1:366:A:ILE:HD13	1:412:A:LEU:HA	8	0.16
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	14	0.16
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	2	0.16
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG22	19	0.16
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG22	5	0.16
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG23	17	0.16
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG22	20	0.16
(1,3203)	1:363:A:ILE:HD13	1:363:A:ILE:HG12	7	0.16
(1,3197)	1:363:A:ILE:HA	1:414:A:ARG:HB2	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	7	0.16
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	19	0.16
(1,3187)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	4	0.16
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	12	0.16
(1,3178)	1:356:A:TRP:HE3	1:359:A:LYS:HD2	11	0.16
(1,3178)	1:356:A:TRP:HE3	1:359:A:LYS:HD2	20	0.16
(1,3159)	1:357:A:GLU:HB2	1:363:A:ILE:H	15	0.16
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	10	0.16
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HD2	3	0.16
(1,3133)	1:345:A:LEU:HD12	1:355:A:ARG:HB2	11	0.16
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG23	10	0.16
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	20	0.16
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG22	1	0.16
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG21	3	0.16
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG22	5	0.16
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG21	14	0.16
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG23	20	0.16
(1,3067)	1:338:A:TRP:H	1:341:A:VAL:HG11	4	0.16
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG11	3	0.16
(1,3062)	1:341:A:VAL:HA	1:341:A:VAL:HG13	7	0.16
(1,3053)	1:338:A:TRP:HD1	1:422:A:ILE:HG21	12	0.16
(1,3043)	1:337:A:LEU:HD21	1:376:A:TRP:HH2	10	0.16
(1,3042)	1:340:A:TYR:HE2	1:337:A:LEU:HD21	5	0.16
(1,3029)	1:379:A:HIS:HE1	1:335:A:ARG:HG2	12	0.16
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	19	0.16
(1,3019)	1:413:A:PHE:HE2	1:405:A:LYS:HG3	2	0.16
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	17	0.16
(1,3009)	1:398:A:TYR:HB3	1:398:A:TYR:HD2	3	0.16
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	5	0.16
(1,2976)	1:349:A:ARG:H	1:350:A:TYR:HD2	15	0.16
(1,2961)	1:340:A:TYR:HD1	1:379:A:HIS:HE1	5	0.16
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	8	0.16
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	11	0.16
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	5	0.16
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	20	0.16
(1,2921)	1:396:A:HIS:HA	1:400:A:LEU:HD11	6	0.16
(1,2902)	1:430:A:LEU:HD11	1:430:A:LEU:H	9	0.16
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG23	17	0.16
(1,2896)	1:414:A:ARG:H	1:403:A:ILE:HG22	6	0.16
(1,2888)	1:412:A:LEU:HD13	1:406:A:GLU:H	4	0.16
(1,2888)	1:412:A:LEU:HD12	1:406:A:GLU:H	15	0.16
(1,2888)	1:412:A:LEU:HD13	1:406:A:GLU:H	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB2	5	0.16
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD12	3	0.16
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD12	9	0.16
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD11	14	0.16
(1,2805)	1:434:A:GLU:H	1:434:A:GLU:HG3	7	0.16
(1,2724)	1:414:A:ARG:H	1:416:A:MET:H	15	0.16
(1,2649)	1:398:A:TYR:H	1:403:A:ILE:HG21	5	0.16
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	2	0.16
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	3	0.16
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	4	0.16
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	5	0.16
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	7	0.16
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	11	0.16
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	16	0.16
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	17	0.16
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	12	0.16
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	12	0.16
(1,2342)	1:344:A:LEU:H	1:343:A:GLN:HB3	18	0.16
(1,2329)	1:338:A:TRP:H	1:336:A:LEU:HD12	12	0.16
(1,2329)	1:338:A:TRP:H	1:336:A:LEU:HD13	15	0.16
(1,2324)	1:338:A:TRP:H	1:397:A:TYR:HE1	11	0.16
(1,2305)	1:340:A:TYR:H	1:339:A:ASP:HB2	12	0.16
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	1	0.16
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	16	0.16
(1,2261)	1:336:A:LEU:HD13	1:430:A:LEU:HD23	2	0.16
(1,2251)	1:363:A:ILE:HD12	1:412:A:LEU:HD12	16	0.16
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD23	5	0.16
(1,2248)	1:411:A:LEU:HD11	1:411:A:LEU:HD22	20	0.16
(1,2247)	1:394:A:LEU:HD21	1:403:A:ILE:HG23	18	0.16
(1,2242)	1:394:A:LEU:HD21	1:341:A:VAL:HG11	12	0.16
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	2	0.16
(1,2192)	1:365:A:ARG:HB2	1:412:A:LEU:HA	9	0.16
(1,2156)	1:336:A:LEU:HD21	1:338:A:TRP:HE1	10	0.16
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD21	1	0.16
(1,2147)	1:336:A:LEU:HD13	1:338:A:TRP:HZ2	11	0.16
(1,2130)	1:356:A:TRP:HH2	1:362:A:LYS:HD2	2	0.16
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB3	17	0.16
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB2	19	0.16
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD12	7	0.16
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD12	9	0.16
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	10	0.16
(1,2043)	1:430:A:LEU:HB2	1:427:A:THR:HB	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:430:A:LEU:HB2	1:427:A:THR:HB	14	0.16
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	7	0.16
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	20	0.16
(1,2017)	1:427:A:THR:HG21	1:338:A:TRP:HD1	17	0.16
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	9	0.16
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	11	0.16
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	2	0.16
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	6	0.16
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	19	0.16
(1,1995)	1:426:A:ARG:HB2	1:426:A:ARG:HA	20	0.16
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	6	0.16
(1,1994)	1:425:A:GLY:HA3	1:427:A:THR:H	20	0.16
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	9	0.16
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	16	0.16
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	1	0.16
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	6	0.16
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	11	0.16
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	20	0.16
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD11	4	0.16
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD12	7	0.16
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD11	14	0.16
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	17	0.16
(1,1879)	1:418:A:THR:HG23	1:419:A:PRO:HD3	11	0.16
(1,1838)	1:417:A:LYS:HB2	1:422:A:ILE:H	12	0.16
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	7	0.16
(1,1823)	1:415:A:PHE:HB2	1:415:A:PHE:HD2	17	0.16
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	12	0.16
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	9	0.16
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	12	0.16
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	12	0.16
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	15	0.16
(1,1752)	1:409:A:GLN:HB3	1:412:A:LEU:HB3	1	0.16
(1,1752)	1:409:A:GLN:HB3	1:412:A:LEU:HB3	13	0.16
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	17	0.16
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	7	0.16
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG2	12	0.16
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG3	14	0.16
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG2	20	0.16
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD22	20	0.16
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	1	0.16
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	3	0.16
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	13	0.16
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	16	0.16
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	17	0.16
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	18	0.16
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	11	0.16
(1,1624)	1:405:A:LYS:HE2	1:413:A:PHE:HE2	2	0.16
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	10	0.16
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	15	0.16
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	17	0.16
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	20	0.16
(1,1586)	1:404:A:ARG:HG3	1:404:A:ARG:HD3	7	0.16
(1,1586)	1:404:A:ARG:HG3	1:404:A:ARG:HD3	16	0.16
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	6	0.16
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	18	0.16
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	17	0.16
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD13	2	0.16
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD12	3	0.16
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD12	7	0.16
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD11	12	0.16
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD12	15	0.16
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD12	19	0.16
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD13	20	0.16
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG23	3	0.16
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	4	0.16
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG22	10	0.16
(1,1557)	1:403:A:ILE:HG22	1:413:A:PHE:HD2	18	0.16
(1,1519)	1:402:A:ILE:HG12	1:402:A:ILE:HG23	5	0.16
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	4	0.16
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	8	0.16
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	9	0.16
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	12	0.16
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	1	0.16
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	11	0.16
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	7	0.16
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	11	0.16
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	3	0.16
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	17	0.16
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	6	0.16
(1,1337)	1:386:A:THR:H	1:389:A:LYS:HE3	8	0.16
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	1	0.16
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	7	0.16
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	18	0.16
(1,1290)	1:386:A:THR:HG21	1:385:A:MET:HA	11	0.16
(1,1290)	1:386:A:THR:HG21	1:385:A:MET:HA	14	0.16
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG23	1	0.16
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG23	3	0.16
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG22	4	0.16
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG21	12	0.16
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG23	16	0.16
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG23	19	0.16
(1,1210)	1:379:A:HIS:HD2	1:380:A:LYS:HD2	13	0.16
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	19	0.16
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	1	0.16
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	17	0.16
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	6	0.16
(1,1163)	1:371:A:GLY:HA3	1:370:A:ASN:HD21	4	0.16
(1,1103)	1:341:A:VAL:HG12	1:372:A:LEU:HD12	6	0.16
(1,1103)	1:341:A:VAL:HG11	1:372:A:LEU:HD12	18	0.16
(1,1103)	1:341:A:VAL:HG13	1:372:A:LEU:HD11	19	0.16
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	8	0.16
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	11	0.16
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	17	0.16
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	1	0.16
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	4	0.16
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	9	0.16
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	10	0.16
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	12	0.16
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	15	0.16
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	6	0.16
(1,1045)	1:369:A:PRO:HD3	1:369:A:PRO:HB2	13	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	1	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	3	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	4	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	5	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	6	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	7	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	8	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	10	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	11	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	12	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	13	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	14	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	16	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	17	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	18	0.16
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	20	0.16
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	4	0.16
(1,1001)	1:367:A:VAL:HG22	1:366:A:ILE:HA	5	0.16
(1,1001)	1:367:A:VAL:HG23	1:366:A:ILE:HA	6	0.16
(1,1001)	1:367:A:VAL:HG23	1:366:A:ILE:HA	7	0.16
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	15	0.16
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	19	0.16
(1,977)	1:366:A:ILE:HD13	1:337:A:LEU:HD13	12	0.16
(1,931)	1:365:A:ARG:HG2	1:367:A:VAL:HG23	10	0.16
(1,931)	1:365:A:ARG:HG2	1:367:A:VAL:HG22	17	0.16
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD2	5	0.16
(1,832)	1:361:A:SER:HB2	1:358:A:ASP:HB3	19	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	1	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	2	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	4	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	6	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	7	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	11	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	12	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	13	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	14	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	17	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	18	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	19	0.16
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	20	0.16
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	11	0.16
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	17	0.16
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	1	0.16
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	14	0.16
(1,771)	1:358:A:ASP:HB3	1:363:A:ILE:HB	16	0.16
(1,751)	1:358:A:ASP:H	1:357:A:GLU:HB3	4	0.16
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	1	0.16
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	4	0.16
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	13	0.16
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	16	0.16
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	19	0.16
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	10	0.16
(1,654)	1:354:A:ILE:HD11	1:354:A:ILE:H	8	0.16
(1,650)	1:354:A:ILE:HG23	1:344:A:LEU:HD12	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:354:A:ILE:HG21	1:345:A:LEU:H	2	0.16
(1,641)	1:354:A:ILE:HG22	1:345:A:LEU:H	19	0.16
(1,594)	1:348:A:SER:HA	1:349:A:ARG:HG2	11	0.16
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	20	0.16
(1,574)	1:348:A:SER:HA	1:351:A:GLU:HG2	7	0.16
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	7	0.16
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD12	13	0.16
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD21	16	0.16
(1,503)	1:344:A:LEU:HD13	1:375:A:LEU:HG	17	0.16
(1,465)	1:344:A:LEU:H	1:343:A:GLN:HG2	11	0.16
(1,443)	1:337:A:LEU:HD22	1:341:A:VAL:HG12	8	0.16
(1,375)	1:337:A:LEU:HD11	1:393:A:ALA:HB2	7	0.16
(1,375)	1:337:A:LEU:HD11	1:393:A:ALA:HB3	16	0.16
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	8	0.16
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	19	0.16
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB2	13	0.16
(1,286)	1:387:A:TYR:HE1	1:391:A:SER:HB3	9	0.16
(1,278)	1:387:A:TYR:HD2	1:387:A:TYR:H	3	0.16
(1,207)	1:340:A:TYR:HA	1:340:A:TYR:HE1	9	0.16
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB3	3	0.16
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB3	13	0.16
(1,177)	1:413:A:PHE:HB3	1:364:A:PHE:H	5	0.16
(1,152)	1:364:A:PHE:HD2	1:364:A:PHE:HB2	11	0.16
(1,152)	1:364:A:PHE:HD2	1:364:A:PHE:HB2	12	0.16
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD21	11	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	1	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	2	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	4	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	5	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	7	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	10	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	11	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	12	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	14	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	15	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	18	0.16
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	19	0.16
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD13	9	0.16
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD12	13	0.16
(1,98)	1:379:A:HIS:HD2	1:380:A:LYS:HD2	20	0.16
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	6	0.16
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	11	0.16
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	1	0.16
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	10	0.16
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD12	7	0.16
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD13	10	0.16
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD11	20	0.16
(1,62)	1:375:A:LEU:HD13	1:340:A:TYR:HE2	12	0.16
(1,62)	1:375:A:LEU:HD13	1:340:A:TYR:HE2	14	0.16
(1,62)	1:375:A:LEU:HD12	1:340:A:TYR:HE2	15	0.16
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	10	0.16
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	4	0.16
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	6	0.15
(1,3769)	1:414:A:ARG:H	1:403:A:ILE:HA	8	0.15
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	5	0.15
(1,3748)	1:400:A:LEU:H	1:400:A:LEU:HB3	9	0.15
(1,3722)	1:386:A:THR:H	1:388:A:GLU:H	17	0.15
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD12	11	0.15
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG23	1	0.15
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG22	11	0.15
(1,3633)	1:343:A:GLN:HE22	1:335:A:ARG:HD2	4	0.15
(1,3620)	1:342:A:TYR:H	1:342:A:TYR:HB3	19	0.15
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	10	0.15
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	17	0.15
(1,3571)	1:336:A:LEU:HD22	1:338:A:TRP:H	13	0.15
(1,3541)	1:338:A:TRP:HE3	1:422:A:ILE:HD11	12	0.15
(1,3518)	1:427:A:THR:HG23	1:431:A:GLU:HG3	6	0.15
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	5	0.15
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	20	0.15
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD2	8	0.15
(1,3478)	1:415:A:PHE:HE2	1:356:A:TRP:HZ3	2	0.15
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	12	0.15
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	18	0.15
(1,3466)	1:414:A:ARG:HB3	1:404:A:ARG:HG2	6	0.15
(1,3466)	1:414:A:ARG:HB3	1:404:A:ARG:HG2	16	0.15
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	4	0.15
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	8	0.15
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	10	0.15
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	4	0.15
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	17	0.15
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	18	0.15
(1,3410)	1:404:A:ARG:HG3	1:404:A:ARG:HD2	4	0.15
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD23	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	3	0.15
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	7	0.15
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	11	0.15
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	20	0.15
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	5	0.15
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	16	0.15
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	7	0.15
(1,3312)	1:429:A:ARG:HB3	1:429:A:ARG:HG2	7	0.15
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	9	0.15
(1,3312)	1:429:A:ARG:HB3	1:429:A:ARG:HG2	14	0.15
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	15	0.15
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD13	11	0.15
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	11	0.15
(1,3229)	1:366:A:ILE:HD11	1:412:A:LEU:HA	14	0.15
(1,3219)	1:404:A:ARG:HD3	1:414:A:ARG:HH11	10	0.15
(1,3216)	1:365:A:ARG:HG2	1:412:A:LEU:HA	4	0.15
(1,3216)	1:365:A:ARG:HG2	1:412:A:LEU:HA	14	0.15
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG23	11	0.15
(1,3195)	1:363:A:ILE:HA	1:414:A:ARG:HD2	2	0.15
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	1	0.15
(1,3133)	1:390:A:MET:HB3	1:337:A:LEU:HD21	4	0.15
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG22	9	0.15
(1,3114)	1:337:A:LEU:HB2	1:393:A:ALA:H	4	0.15
(1,3109)	1:434:A:GLU:HG2	1:430:A:LEU:HD11	12	0.15
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	6	0.15
(1,3073)	1:364:A:PHE:HE2	1:341:A:VAL:HG21	11	0.15
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG21	10	0.15
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG23	15	0.15
(1,3067)	1:338:A:TRP:H	1:341:A:VAL:HG12	13	0.15
(1,3060)	1:338:A:TRP:HZ3	1:422:A:ILE:HG13	12	0.15
(1,3060)	1:338:A:TRP:HZ3	1:422:A:ILE:HG13	19	0.15
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	13	0.15
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	14	0.15
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	18	0.15
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	4	0.15
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	4	0.15
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	9	0.15
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	12	0.15
(1,2983)	1:350:A:TYR:HE2	1:349:A:ARG:HD3	16	0.15
(1,2963)	1:340:A:TYR:HD1	1:343:A:GLN:HB3	13	0.15
(1,2959)	1:340:A:TYR:HD2	1:344:A:LEU:HG	7	0.15
(1,2959)	1:340:A:TYR:HD2	1:344:A:LEU:HG	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG11	18	0.15
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	19	0.15
(1,2946)	1:415:A:PHE:HB2	1:362:A:LYS:HD3	10	0.15
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	13	0.15
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD1	17	0.15
(1,2921)	1:396:A:HIS:HA	1:400:A:LEU:HD13	2	0.15
(1,2914)	1:375:A:LEU:HD11	1:378:A:ASN:H	10	0.15
(1,2912)	1:375:A:LEU:HB2	1:376:A:TRP:HB3	8	0.15
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD21	14	0.15
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD22	16	0.15
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD21	20	0.15
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB1	20	0.15
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD11	8	0.15
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD11	14	0.15
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD11	1	0.15
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD12	11	0.15
(1,2851)	1:356:A:TRP:H	1:345:A:LEU:HD12	17	0.15
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD23	12	0.15
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD23	3	0.15
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	8	0.15
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	9	0.15
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	15	0.15
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	18	0.15
(1,2545)	1:376:A:TRP:H	1:375:A:LEU:HD13	13	0.15
(1,2509)	1:370:A:ASN:HD22	1:370:A:ASN:HA	2	0.15
(1,2488)	1:365:A:ARG:H	1:345:A:LEU:HD21	11	0.15
(1,2488)	1:365:A:ARG:H	1:345:A:LEU:HD23	13	0.15
(1,2484)	1:365:A:ARG:H	1:355:A:ARG:HD2	5	0.15
(1,2454)	1:361:A:SER:H	1:360:A:GLU:HG3	10	0.15
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD12	18	0.15
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	4	0.15
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	14	0.15
(1,2329)	1:338:A:TRP:H	1:336:A:LEU:HD13	20	0.15
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD22	15	0.15
(1,2249)	1:366:A:ILE:HD12	1:411:A:LEU:HD23	10	0.15
(1,2248)	1:411:A:LEU:HD11	1:411:A:LEU:HD22	4	0.15
(1,2248)	1:411:A:LEU:HD11	1:411:A:LEU:HD21	18	0.15
(1,2247)	1:394:A:LEU:HD22	1:403:A:ILE:HG22	15	0.15
(1,2242)	1:394:A:LEU:HD22	1:341:A:VAL:HG11	11	0.15
(1,2235)	1:354:A:ILE:HD12	1:372:A:LEU:HD23	8	0.15
(1,2235)	1:354:A:ILE:HD12	1:372:A:LEU:HD22	13	0.15
(1,2228)	1:366:A:ILE:HG21	1:411:A:LEU:HD23	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	8	0.15
(1,2170)	1:353:A:PHE:H	1:353:A:PHE:HD2	2	0.15
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD22	17	0.15
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD23	19	0.15
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD21	1	0.15
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD21	14	0.15
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB3	14	0.15
(1,2062)	1:431:A:GLU:HA	1:336:A:LEU:HD23	15	0.15
(1,2060)	1:431:A:GLU:HA	1:432:A:HIS:HD2	8	0.15
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	4	0.15
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD11	5	0.15
(1,2033)	1:429:A:ARG:HG2	1:429:A:ARG:HD2	4	0.15
(1,2029)	1:429:A:ARG:HG3	1:429:A:ARG:HA	18	0.15
(1,2023)	1:428:A:ASP:HB2	1:429:A:ARG:HG3	12	0.15
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	11	0.15
(1,2017)	1:427:A:THR:HG22	1:338:A:TRP:HD1	13	0.15
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	8	0.15
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	20	0.15
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	9	0.15
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	19	0.15
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	2	0.15
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	3	0.15
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	13	0.15
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	18	0.15
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	15	0.15
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	1	0.15
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	2	0.15
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	5	0.15
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	7	0.15
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	9	0.15
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	15	0.15
(1,1966)	1:422:A:ILE:HD11	1:338:A:TRP:HB3	5	0.15
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	2	0.15
(1,1807)	1:415:A:PHE:HZ	1:345:A:LEU:HD22	4	0.15
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	1	0.15
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	19	0.15
(1,1782)	1:363:A:ILE:HG22	1:414:A:ARG:HA	7	0.15
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	10	0.15
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	17	0.15
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	18	0.15
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	2	0.15
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG2	11	0.15
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	6	0.15
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	7	0.15
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	11	0.15
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	1	0.15
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	11	0.15
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	13	0.15
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	18	0.15
(1,1588)	1:405:A:LYS:H	1:404:A:ARG:HD3	6	0.15
(1,1586)	1:404:A:ARG:HG3	1:404:A:ARG:HD3	2	0.15
(1,1586)	1:404:A:ARG:HG3	1:404:A:ARG:HD3	4	0.15
(1,1586)	1:404:A:ARG:HG3	1:404:A:ARG:HD3	9	0.15
(1,1586)	1:404:A:ARG:HG3	1:404:A:ARG:HD3	11	0.15
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	1	0.15
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	19	0.15
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD13	11	0.15
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD13	13	0.15
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD12	17	0.15
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD11	18	0.15
(1,1559)	1:364:A:PHE:HZ	1:403:A:ILE:HG23	13	0.15
(1,1526)	1:402:A:ILE:HD13	1:422:A:ILE:HG22	15	0.15
(1,1519)	1:402:A:ILE:HG12	1:402:A:ILE:HG23	16	0.15
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	3	0.15
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD22	1	0.15
(1,1491)	1:396:A:HIS:HD2	1:400:A:LEU:HD21	16	0.15
(1,1431)	1:395:A:ARG:H	1:395:A:ARG:HG3	4	0.15
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	13	0.15
(1,1343)	1:390:A:MET:HG2	1:390:A:MET:HA	2	0.15
(1,1343)	1:390:A:MET:HG2	1:390:A:MET:HA	12	0.15
(1,1317)	1:386:A:THR:H	1:389:A:LYS:HG3	16	0.15
(1,1311)	1:389:A:LYS:HA	1:388:A:GLU:HG2	5	0.15
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	4	0.15
(1,1290)	1:386:A:THR:HG22	1:385:A:MET:HA	4	0.15
(1,1290)	1:386:A:THR:HG22	1:385:A:MET:HA	13	0.15
(1,1289)	1:386:A:THR:H	1:386:A:THR:HG23	8	0.15
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG22	6	0.15
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG23	7	0.15
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG22	9	0.15
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG21	10	0.15
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG21	11	0.15
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG23	15	0.15
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG22	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	6	0.15
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	9	0.15
(1,1239)	1:381:A:ASN:HB3	1:382:A:ARG:HG2	18	0.15
(1,1224)	1:380:A:LYS:HB3	1:380:A:LYS:HE2	5	0.15
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	1	0.15
(1,1202)	1:380:A:LYS:HA	1:380:A:LYS:HG2	3	0.15
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	8	0.15
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	10	0.15
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	20	0.15
(1,1169)	1:371:A:GLY:HA3	1:374:A:ARG:HB3	13	0.15
(1,1103)	1:341:A:VAL:HG13	1:372:A:LEU:HD11	5	0.15
(1,1103)	1:341:A:VAL:HG13	1:372:A:LEU:HD12	20	0.15
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	10	0.15
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	16	0.15
(1,1046)	1:369:A:PRO:HD2	1:369:A:PRO:HB2	2	0.15
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	2	0.15
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	9	0.15
(1,1010)	1:368:A:ASP:HA	1:368:A:ASP:HB3	19	0.15
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	2	0.15
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	3	0.15
(1,1001)	1:367:A:VAL:HG23	1:366:A:ILE:HA	8	0.15
(1,1001)	1:367:A:VAL:HG22	1:366:A:ILE:HA	10	0.15
(1,1001)	1:367:A:VAL:HG22	1:366:A:ILE:HA	16	0.15
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG12	1	0.15
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG12	2	0.15
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG11	3	0.15
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG11	4	0.15
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG13	5	0.15
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG12	8	0.15
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG11	12	0.15
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG12	14	0.15
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG12	16	0.15
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG12	11	0.15
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG23	1	0.15
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG22	13	0.15
(1,941)	1:365:A:ARG:HG3	1:365:A:ARG:HD3	19	0.15
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	16	0.15
(1,898)	1:363:A:ILE:H	1:363:A:ILE:HD12	3	0.15
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	20	0.15
(1,873)	1:362:A:LYS:HG3	1:362:A:LYS:HE2	15	0.15
(1,833)	1:358:A:ASP:HB3	1:361:A:SER:HB3	16	0.15
(1,822)	1:361:A:SER:HA	1:361:A:SER:HB2	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	19	0.15
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	9	0.15
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	3	0.15
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	4	0.15
(1,815)	1:360:A:GLU:HB3	1:360:A:GLU:HG2	10	0.15
(1,815)	1:360:A:GLU:HB3	1:360:A:GLU:HG2	18	0.15
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	19	0.15
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	2	0.15
(1,796)	1:360:A:GLU:H	1:359:A:LYS:HD3	9	0.15
(1,771)	1:358:A:ASP:HB3	1:363:A:ILE:HB	10	0.15
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD21	14	0.15
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	9	0.15
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	12	0.15
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	17	0.15
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD12	19	0.15
(1,592)	1:351:A:GLU:H	1:349:A:ARG:HG3	13	0.15
(1,584)	1:349:A:ARG:HA	1:349:A:ARG:HD2	1	0.15
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	12	0.15
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	14	0.15
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	18	0.15
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD23	9	0.15
(1,443)	1:337:A:LEU:HD22	1:341:A:VAL:HG13	10	0.15
(1,375)	1:337:A:LEU:HD13	1:393:A:ALA:HB2	2	0.15
(1,375)	1:337:A:LEU:HD13	1:393:A:ALA:HB1	19	0.15
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	6	0.15
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	6	0.15
(1,341)	1:335:A:ARG:HA	1:335:A:ARG:HG2	8	0.15
(1,278)	1:387:A:TYR:HD2	1:387:A:TYR:H	16	0.15
(1,257)	1:375:A:LEU:HD12	1:350:A:TYR:HE1	6	0.15
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	18	0.15
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	20	0.15
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB3	10	0.15
(1,177)	1:413:A:PHE:HB3	1:364:A:PHE:H	9	0.15
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD23	18	0.15
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	9	0.15
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	17	0.15
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	20	0.15
(1,85)	1:432:A:HIS:HD2	1:430:A:LEU:HA	10	0.15
(1,84)	1:432:A:HIS:HB3	1:432:A:HIS:HD2	17	0.15
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD13	1	0.15
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD13	6	0.15
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD12	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD12	14	0.15
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD13	17	0.15
(1,62)	1:375:A:LEU:HD11	1:340:A:TYR:HE2	1	0.15
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	5	0.15
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	14	0.15
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	17	0.15
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	20	0.15
(1,24)	1:376:A:TRP:HD1	1:380:A:LYS:HE2	2	0.15
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	3	0.14
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	4	0.14
(1,3773)	1:417:A:LYS:H	1:417:A:LYS:HG3	9	0.14
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	9	0.14
(1,3762)	1:409:A:GLN:HE22	1:357:A:GLU:HB3	14	0.14
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD12	10	0.14
(1,3707)	1:373:A:ALA:H	1:372:A:LEU:HD13	12	0.14
(1,3691)	1:367:A:VAL:H	1:366:A:ILE:HG21	16	0.14
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	2	0.14
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	4	0.14
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	11	0.14
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	12	0.14
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	17	0.14
(1,3674)	1:363:A:ILE:H	1:363:A:ILE:HD12	11	0.14
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG22	1	0.14
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG21	3	0.14
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG22	7	0.14
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG21	14	0.14
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG23	20	0.14
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	12	0.14
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	6	0.14
(1,3617)	1:340:A:TYR:H	1:376:A:TRP:HE3	5	0.14
(1,3612)	1:355:A:ARG:H	1:355:A:ARG:HD2	17	0.14
(1,3582)	1:403:A:ILE:HG23	1:413:A:PHE:HD2	6	0.14
(1,3582)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	10	0.14
(1,3582)	1:413:A:PHE:HD1	1:366:A:ILE:HD13	13	0.14
(1,3572)	1:336:A:LEU:HD21	1:376:A:TRP:HH2	9	0.14
(1,3572)	1:336:A:LEU:HD21	1:376:A:TRP:HH2	16	0.14
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	5	0.14
(1,3492)	1:416:A:MET:HG2	1:404:A:ARG:HG2	19	0.14
(1,3490)	1:416:A:MET:HB3	1:417:A:LYS:HG3	15	0.14
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	20	0.14
(1,3466)	1:414:A:ARG:HB3	1:404:A:ARG:HG2	2	0.14
(1,3462)	1:414:A:ARG:HB2	1:414:A:ARG:HG3	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3451)	1:412:A:LEU:HD12	1:365:A:ARG:HD3	4	0.14
(1,3451)	1:412:A:LEU:HD13	1:365:A:ARG:HD3	18	0.14
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD22	12	0.14
(1,3433)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	2	0.14
(1,3429)	1:382:A:ARG:HB2	1:380:A:LYS:HE2	11	0.14
(1,3429)	1:382:A:ARG:HB2	1:380:A:LYS:HE2	14	0.14
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	6	0.14
(1,3412)	1:413:A:PHE:HE2	1:405:A:LYS:HA	4	0.14
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	10	0.14
(1,3410)	1:392:A:ARG:HG2	1:392:A:ARG:HD2	5	0.14
(1,3410)	1:404:A:ARG:HG3	1:404:A:ARG:HD2	16	0.14
(1,3398)	1:403:A:ILE:HD13	1:415:A:PHE:HZ	15	0.14
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD22	1	0.14
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD21	15	0.14
(1,3374)	1:396:A:HIS:HD2	1:399:A:LYS:HE2	8	0.14
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	5	0.14
(1,3330)	1:392:A:ARG:HG3	1:394:A:LEU:H	9	0.14
(1,3325)	1:392:A:ARG:HA	1:395:A:ARG:HB2	9	0.14
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	9	0.14
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	18	0.14
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	19	0.14
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	20	0.14
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	18	0.14
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	20	0.14
(1,3269)	1:405:A:LYS:HG2	1:405:A:LYS:HD3	14	0.14
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	18	0.14
(1,3229)	1:366:A:ILE:HD13	1:412:A:LEU:HA	5	0.14
(1,3210)	1:365:A:ARG:HA	1:367:A:VAL:H	8	0.14
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG23	10	0.14
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG21	17	0.14
(1,3202)	1:363:A:ILE:HD12	1:414:A:ARG:HH11	19	0.14
(1,3188)	1:362:A:LYS:HG3	1:415:A:PHE:HD2	9	0.14
(1,3187)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	6	0.14
(1,3187)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	8	0.14
(1,3177)	1:359:A:LYS:HD3	1:360:A:GLU:HA	3	0.14
(1,3159)	1:341:A:VAL:H	1:335:A:ARG:HB3	9	0.14
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	3	0.14
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	7	0.14
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	11	0.14
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	13	0.14
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	14	0.14
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG22	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG23	13	0.14
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	7	0.14
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	19	0.14
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	7	0.14
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	14	0.14
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	10	0.14
(1,2961)	1:340:A:TYR:HD1	1:379:A:HIS:HE1	11	0.14
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG11	3	0.14
(1,2959)	1:340:A:TYR:HD2	1:344:A:LEU:HG	4	0.14
(1,2946)	1:415:A:PHE:HB2	1:362:A:LYS:HD3	13	0.14
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	10	0.14
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	1	0.14
(1,2923)	1:396:A:HIS:HD2	1:430:A:LEU:HA	12	0.14
(1,2921)	1:396:A:HIS:HA	1:400:A:LEU:HD12	10	0.14
(1,2914)	1:375:A:LEU:HD11	1:378:A:ASN:H	13	0.14
(1,2912)	1:375:A:LEU:HB2	1:376:A:TRP:HB3	19	0.14
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG21	2	0.14
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG22	8	0.14
(1,2896)	1:414:A:ARG:H	1:403:A:ILE:HG23	17	0.14
(1,2888)	1:412:A:LEU:HD13	1:406:A:GLU:H	10	0.14
(1,2888)	1:412:A:LEU:HD12	1:406:A:GLU:H	11	0.14
(1,2885)	1:402:A:ILE:HD12	1:403:A:ILE:H	9	0.14
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD21	6	0.14
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD21	7	0.14
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB1	4	0.14
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB3	16	0.14
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD12	1	0.14
(1,2840)	1:349:A:ARG:H	1:349:A:ARG:HD2	19	0.14
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD23	2	0.14
(1,2792)	1:428:A:ASP:H	1:400:A:LEU:HD22	6	0.14
(1,2787)	1:427:A:THR:H	1:426:A:ARG:HG2	6	0.14
(1,2719)	1:411:A:LEU:H	1:411:A:LEU:HD23	16	0.14
(1,2649)	1:398:A:TYR:H	1:403:A:ILE:HG21	1	0.14
(1,2649)	1:398:A:TYR:H	1:403:A:ILE:HG21	15	0.14
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	12	0.14
(1,2646)	1:397:A:TYR:H	1:397:A:TYR:HB3	20	0.14
(1,2550)	1:377:A:GLY:H	1:382:A:ARG:HB2	20	0.14
(1,2488)	1:365:A:ARG:H	1:345:A:LEU:HD21	6	0.14
(1,2455)	1:361:A:SER:H	1:360:A:GLU:HB2	6	0.14
(1,2455)	1:361:A:SER:H	1:360:A:GLU:HB2	14	0.14
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD11	19	0.14
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	12	0.14
(1,2264)	1:376:A:TRP:HE1	1:380:A:LYS:HD2	9	0.14
(1,2262)	1:336:A:LEU:HD11	1:430:A:LEU:HD11	6	0.14
(1,2251)	1:363:A:ILE:HD13	1:412:A:LEU:HD11	1	0.14
(1,2248)	1:411:A:LEU:HD12	1:411:A:LEU:HD23	1	0.14
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD23	6	0.14
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD21	9	0.14
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD21	11	0.14
(1,2248)	1:411:A:LEU:HD11	1:411:A:LEU:HD22	16	0.14
(1,2248)	1:411:A:LEU:HD12	1:411:A:LEU:HD21	17	0.14
(1,2239)	1:366:A:ILE:HD13	1:394:A:LEU:HD12	1	0.14
(1,2239)	1:366:A:ILE:HD12	1:394:A:LEU:HD12	15	0.14
(1,2235)	1:354:A:ILE:HD13	1:372:A:LEU:HD23	7	0.14
(1,2235)	1:354:A:ILE:HD12	1:372:A:LEU:HD23	16	0.14
(1,2203)	1:433:A:LEU:HD23	1:432:A:HIS:HB2	3	0.14
(1,2203)	1:433:A:LEU:HD21	1:432:A:HIS:HB2	7	0.14
(1,2202)	1:349:A:ARG:HD3	1:350:A:TYR:HD1	2	0.14
(1,2195)	1:430:A:LEU:H	1:429:A:ARG:HA	16	0.14
(1,2194)	1:395:A:ARG:HG2	1:395:A:ARG:HA	20	0.14
(1,2170)	1:353:A:PHE:H	1:353:A:PHE:HD2	15	0.14
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD22	4	0.14
(1,2156)	1:336:A:LEU:HD23	1:338:A:TRP:HE1	5	0.14
(1,2154)	1:336:A:LEU:HD12	1:336:A:LEU:HD22	4	0.14
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD21	6	0.14
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	3	0.14
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	15	0.14
(1,2113)	1:435:A:SER:HB2	1:435:A:SER:HA	20	0.14
(1,2106)	1:434:A:GLU:HG3	1:434:A:GLU:HA	13	0.14
(1,2106)	1:434:A:GLU:HG3	1:434:A:GLU:HA	16	0.14
(1,2105)	1:434:A:GLU:HG2	1:434:A:GLU:HA	8	0.14
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB3	3	0.14
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB2	7	0.14
(1,2065)	1:431:A:GLU:HG2	1:428:A:ASP:HA	10	0.14
(1,2060)	1:431:A:GLU:HA	1:432:A:HIS:HD2	3	0.14
(1,2054)	1:430:A:LEU:HD13	1:397:A:TYR:HA	11	0.14
(1,2044)	1:430:A:LEU:H	1:430:A:LEU:HB3	10	0.14
(1,2044)	1:430:A:LEU:H	1:430:A:LEU:HB3	16	0.14
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	17	0.14
(1,2017)	1:427:A:THR:HG22	1:338:A:TRP:HD1	8	0.14
(1,2017)	1:427:A:THR:HG21	1:338:A:TRP:HD1	11	0.14
(1,2006)	1:426:A:ARG:H	1:426:A:ARG:HD2	6	0.14
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	10	0.14
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	16	0.14
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	3	0.14
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	10	0.14
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	13	0.14
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	17	0.14
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	18	0.14
(1,1966)	1:422:A:ILE:HD13	1:338:A:TRP:HB3	17	0.14
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD11	2	0.14
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD13	19	0.14
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	13	0.14
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	4	0.14
(1,1888)	1:419:A:PRO:HA	1:423:A:MET:HG2	12	0.14
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	12	0.14
(1,1802)	1:414:A:ARG:HG3	1:414:A:ARG:HD2	7	0.14
(1,1801)	1:363:A:ILE:HG13	1:414:A:ARG:HD3	7	0.14
(1,1800)	1:414:A:ARG:HD2	1:363:A:ILE:HG13	5	0.14
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	13	0.14
(1,1752)	1:409:A:GLN:HB3	1:412:A:LEU:HB3	6	0.14
(1,1752)	1:409:A:GLN:HB3	1:412:A:LEU:HB3	12	0.14
(1,1708)	1:410:A:ARG:HG2	1:410:A:ARG:HD2	13	0.14
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	14	0.14
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	15	0.14
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	19	0.14
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	7	0.14
(1,1627)	1:405:A:LYS:HE3	1:405:A:LYS:HG2	19	0.14
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	3	0.14
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	6	0.14
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	12	0.14
(1,1618)	1:405:A:LYS:HE2	1:405:A:LYS:HA	16	0.14
(1,1597)	1:405:A:LYS:HA	1:405:A:LYS:HD3	19	0.14
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	20	0.14
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	3	0.14
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	10	0.14
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD11	10	0.14
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD12	4	0.14
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD13	5	0.14
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD11	8	0.14
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD11	9	0.14
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD13	16	0.14
(1,1557)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	12	0.14
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG23	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:402:A:ILE:HD11	1:422:A:ILE:HG21	6	0.14
(1,1516)	1:397:A:TYR:HB3	1:402:A:ILE:HB	4	0.14
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	18	0.14
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	13	0.14
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	3	0.14
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	20	0.14
(1,1428)	1:406:A:GLU:HB2	1:412:A:LEU:HB2	9	0.14
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	10	0.14
(1,1343)	1:390:A:MET:HG2	1:390:A:MET:HA	6	0.14
(1,1343)	1:390:A:MET:HG2	1:390:A:MET:HA	19	0.14
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	9	0.14
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	12	0.14
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	20	0.14
(1,1289)	1:386:A:THR:H	1:386:A:THR:HG21	11	0.14
(1,1273)	1:384:A:ASN:H	1:384:A:ASN:HB2	20	0.14
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG23	2	0.14
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG22	5	0.14
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG22	8	0.14
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG23	13	0.14
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG21	18	0.14
(1,1267)	1:383:A:THR:HB	1:383:A:THR:HG22	20	0.14
(1,1239)	1:381:A:ASN:HB3	1:382:A:ARG:HG2	5	0.14
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	16	0.14
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	11	0.14
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	12	0.14
(1,1171)	1:378:A:ASN:HD21	1:378:A:ASN:HA	16	0.14
(1,1133)	1:374:A:ARG:HB2	1:374:A:ARG:HD2	10	0.14
(1,1133)	1:374:A:ARG:HB2	1:374:A:ARG:HD2	17	0.14
(1,1132)	1:374:A:ARG:HB3	1:374:A:ARG:HD3	9	0.14
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	1	0.14
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	6	0.14
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	12	0.14
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	13	0.14
(1,1004)	1:367:A:VAL:HG23	1:365:A:ARG:HB3	10	0.14
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	1	0.14
(1,1001)	1:367:A:VAL:HG21	1:366:A:ILE:HA	14	0.14
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG13	7	0.14
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG11	9	0.14
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG11	10	0.14
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG13	13	0.14
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG11	15	0.14
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG11	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:367:A:VAL:HA	1:367:A:VAL:HG13	6	0.14
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG21	7	0.14
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD2	13	0.14
(1,828)	1:436:A:GLN:H	1:435:A:SER:HB2	14	0.14
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	4	0.14
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	14	0.14
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	6	0.14
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	3	0.14
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	11	0.14
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	18	0.14
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	12	0.14
(1,694)	1:426:A:ARG:HD2	1:401:A:ASN:HD21	8	0.14
(1,654)	1:354:A:ILE:HD12	1:354:A:ILE:H	7	0.14
(1,654)	1:354:A:ILE:HD13	1:354:A:ILE:H	11	0.14
(1,654)	1:354:A:ILE:HD13	1:354:A:ILE:H	14	0.14
(1,650)	1:354:A:ILE:HG22	1:344:A:LEU:HD11	9	0.14
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD13	18	0.14
(1,641)	1:354:A:ILE:HG21	1:345:A:LEU:H	10	0.14
(1,605)	1:351:A:GLU:HA	1:351:A:GLU:HB2	4	0.14
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	12	0.14
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	2	0.14
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	4	0.14
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	5	0.14
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	8	0.14
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	10	0.14
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	13	0.14
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	16	0.14
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	19	0.14
(1,542)	1:345:A:LEU:H	1:345:A:LEU:HD21	3	0.14
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD11	5	0.14
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD13	11	0.14
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD13	15	0.14
(1,509)	1:340:A:TYR:HD1	1:344:A:LEU:HD22	19	0.14
(1,508)	1:350:A:TYR:HE1	1:344:A:LEU:HD21	4	0.14
(1,479)	1:344:A:LEU:HA	1:347:A:ASP:HB2	6	0.14
(1,461)	1:343:A:GLN:HG2	1:343:A:GLN:HB2	17	0.14
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG21	11	0.14
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	15	0.14
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	16	0.14
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	17	0.14
(1,443)	1:337:A:LEU:HD22	1:341:A:VAL:HG11	1	0.14
(1,375)	1:337:A:LEU:HD13	1:393:A:ALA:HB2	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	12	0.14
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	1	0.14
(1,348)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	14	0.14
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	2	0.14
(1,322)	1:413:A:PHE:HD1	1:413:A:PHE:HA	5	0.14
(1,258)	1:375:A:LEU:HD21	1:350:A:TYR:HE1	3	0.14
(1,258)	1:375:A:LEU:HD21	1:350:A:TYR:HE1	14	0.14
(1,258)	1:375:A:LEU:HD22	1:350:A:TYR:HE1	16	0.14
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	2	0.14
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB3	20	0.14
(1,174)	1:415:A:PHE:HA	1:404:A:ARG:H	8	0.14
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD13	1	0.14
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD11	19	0.14
(1,98)	1:379:A:HIS:HD2	1:380:A:LYS:HD2	11	0.14
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	2	0.14
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	15	0.14
(1,79)	1:433:A:LEU:H	1:432:A:HIS:HB2	14	0.14
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD11	2	0.14
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD13	5	0.14
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD12	9	0.14
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	4	0.14
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	6	0.14
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	7	0.14
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	8	0.14
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	15	0.14
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	18	0.14
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	19	0.14
(1,31)	1:376:A:TRP:HZ2	1:393:A:ALA:HB1	10	0.14
(1,3754)	1:402:A:ILE:H	1:402:A:ILE:HD12	11	0.13
(1,3750)	1:401:A:ASN:H	1:402:A:ILE:HG13	2	0.13
(1,3750)	1:401:A:ASN:H	1:402:A:ILE:HG13	5	0.13
(1,3685)	1:365:A:ARG:H	1:367:A:VAL:HG23	12	0.13
(1,3674)	1:363:A:ILE:H	1:363:A:ILE:HD11	9	0.13
(1,3674)	1:363:A:ILE:H	1:363:A:ILE:HD11	15	0.13
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG22	5	0.13
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	2	0.13
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	5	0.13
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	8	0.13
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	9	0.13
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	10	0.13
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	11	0.13
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	18	0.13
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	20	0.13
(1,3618)	1:340:A:TYR:H	1:340:A:TYR:HD1	2	0.13
(1,3608)	1:398:A:TYR:H	1:394:A:LEU:HD22	6	0.13
(1,3585)	1:366:A:ILE:HG21	1:372:A:LEU:HB2	16	0.13
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD22	7	0.13
(1,3581)	1:376:A:TRP:H	1:375:A:LEU:HD21	16	0.13
(1,3574)	1:372:A:LEU:HA	1:353:A:PHE:HD2	13	0.13
(1,3572)	1:336:A:LEU:HD23	1:376:A:TRP:HH2	1	0.13
(1,3547)	1:426:A:ARG:HG2	1:426:A:ARG:HB3	6	0.13
(1,3541)	1:338:A:TRP:HE3	1:422:A:ILE:HD12	20	0.13
(1,3540)	1:338:A:TRP:HD1	1:422:A:ILE:HG23	19	0.13
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	19	0.13
(1,3502)	1:418:A:THR:H	1:417:A:LYS:HD3	8	0.13
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	1	0.13
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	16	0.13
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	17	0.13
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	5	0.13
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	14	0.13
(1,3490)	1:416:A:MET:HB3	1:417:A:LYS:HG3	11	0.13
(1,3478)	1:415:A:PHE:HE2	1:356:A:TRP:HZ3	12	0.13
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD22	1	0.13
(1,3435)	1:347:A:ASP:HB2	1:343:A:GLN:HE22	6	0.13
(1,3434)	1:355:A:ARG:HD2	1:351:A:GLU:HB2	8	0.13
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD21	20	0.13
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	1	0.13
(1,3387)	1:402:A:ILE:HB	1:402:A:ILE:HG23	10	0.13
(1,3376)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	18	0.13
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	6	0.13
(1,3352)	1:395:A:ARG:HG2	1:395:A:ARG:HB2	2	0.13
(1,3339)	1:394:A:LEU:HA	1:403:A:ILE:HD13	11	0.13
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	6	0.13
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	10	0.13
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD3	13	0.13
(1,3330)	1:392:A:ARG:HG3	1:394:A:LEU:H	12	0.13
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	3	0.13
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	5	0.13
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	15	0.13
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	8	0.13
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	11	0.13
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	15	0.13
(1,3268)	1:372:A:LEU:HD12	1:375:A:LEU:HB2	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3259)	1:419:A:PRO:HG3	1:422:A:ILE:HD12	15	0.13
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	15	0.13
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	3	0.13
(1,3212)	1:365:A:ARG:HB3	1:367:A:VAL:H	13	0.13
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG22	6	0.13
(1,3201)	1:358:A:ASP:HB3	1:363:A:ILE:HG12	4	0.13
(1,3175)	1:412:A:LEU:HD23	1:358:A:ASP:H	18	0.13
(1,3158)	1:356:A:TRP:HE3	1:359:A:LYS:HB3	12	0.13
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG22	14	0.13
(1,3092)	1:345:A:LEU:HD11	1:344:A:LEU:H	11	0.13
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	15	0.13
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	16	0.13
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	18	0.13
(1,3083)	1:344:A:LEU:HD21	1:372:A:LEU:HA	11	0.13
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG23	4	0.13
(1,3073)	1:364:A:PHE:HE2	1:341:A:VAL:HG22	20	0.13
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG21	6	0.13
(1,3070)	1:344:A:LEU:H	1:341:A:VAL:HG21	8	0.13
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	2	0.13
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	4	0.13
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	8	0.13
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	9	0.13
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	11	0.13
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	17	0.13
(1,3043)	1:337:A:LEU:HD21	1:376:A:TRP:HH2	14	0.13
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	16	0.13
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	12	0.13
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	13	0.13
(1,2981)	1:350:A:TYR:HE1	1:350:A:TYR:HA	3	0.13
(1,2965)	1:340:A:TYR:HE2	1:344:A:LEU:HD22	11	0.13
(1,2959)	1:340:A:TYR:HD1	1:344:A:LEU:HG	12	0.13
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	3	0.13
(1,2921)	1:396:A:HIS:HA	1:400:A:LEU:HD11	13	0.13
(1,2913)	1:375:A:LEU:HB3	1:378:A:ASN:HB2	8	0.13
(1,2888)	1:412:A:LEU:HD11	1:406:A:GLU:H	3	0.13
(1,2888)	1:412:A:LEU:HD12	1:406:A:GLU:H	12	0.13
(1,2888)	1:412:A:LEU:HD12	1:406:A:GLU:H	20	0.13
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD22	2	0.13
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD22	4	0.13
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD22	17	0.13
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB2	9	0.13
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD13	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2805)	1:434:A:GLU:H	1:434:A:GLU:HG3	3	0.13
(1,2724)	1:414:A:ARG:H	1:416:A:MET:H	11	0.13
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	3	0.13
(1,2630)	1:392:A:ARG:H	1:392:A:ARG:HG3	16	0.13
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	13	0.13
(1,2488)	1:365:A:ARG:H	1:345:A:LEU:HD23	18	0.13
(1,2484)	1:365:A:ARG:H	1:355:A:ARG:HD2	13	0.13
(1,2454)	1:361:A:SER:H	1:360:A:GLU:HG2	12	0.13
(1,2422)	1:357:A:GLU:H	1:345:A:LEU:HD12	1	0.13
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	3	0.13
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	7	0.13
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	11	0.13
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	14	0.13
(1,2262)	1:336:A:LEU:HD13	1:430:A:LEU:HD13	3	0.13
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD23	13	0.13
(1,2261)	1:336:A:LEU:HD13	1:430:A:LEU:HD21	18	0.13
(1,2249)	1:366:A:ILE:HD12	1:411:A:LEU:HD23	11	0.13
(1,2248)	1:411:A:LEU:HD11	1:411:A:LEU:HD21	2	0.13
(1,2248)	1:411:A:LEU:HD12	1:411:A:LEU:HD22	3	0.13
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD23	12	0.13
(1,2248)	1:411:A:LEU:HD11	1:411:A:LEU:HD21	14	0.13
(1,2248)	1:411:A:LEU:HD13	1:411:A:LEU:HD23	19	0.13
(1,2239)	1:366:A:ILE:HD13	1:394:A:LEU:HD13	10	0.13
(1,2223)	1:363:A:ILE:HD11	1:363:A:ILE:HG23	18	0.13
(1,2203)	1:433:A:LEU:HD21	1:432:A:HIS:HB2	2	0.13
(1,2195)	1:430:A:LEU:H	1:429:A:ARG:HA	3	0.13
(1,2177)	1:366:A:ILE:H	1:365:A:ARG:HD3	19	0.13
(1,2154)	1:336:A:LEU:HD12	1:336:A:LEU:HD21	10	0.13
(1,2130)	1:356:A:TRP:HH2	1:362:A:LYS:HD2	7	0.13
(1,2130)	1:356:A:TRP:HH2	1:362:A:LYS:HD2	15	0.13
(1,2098)	1:435:A:SER:H	1:434:A:GLU:HA	20	0.13
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB1	9	0.13
(1,2064)	1:431:A:GLU:HB2	1:336:A:LEU:HD21	11	0.13
(1,2044)	1:430:A:LEU:H	1:430:A:LEU:HB3	15	0.13
(1,2022)	1:429:A:ARG:H	1:428:A:ASP:HB2	13	0.13
(1,2017)	1:427:A:THR:HG22	1:338:A:TRP:HD1	6	0.13
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	7	0.13
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	10	0.13
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	3	0.13
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	8	0.13
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	14	0.13
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	11	0.13
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	19	0.13
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD12	18	0.13
(1,1938)	1:342:A:TYR:HA	1:345:A:LEU:HG	4	0.13
(1,1938)	1:342:A:TYR:HA	1:345:A:LEU:HG	18	0.13
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	6	0.13
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	8	0.13
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	10	0.13
(1,1879)	1:418:A:THR:HG21	1:419:A:PRO:HD3	3	0.13
(1,1840)	1:402:A:ILE:HA	1:417:A:LYS:HB3	15	0.13
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	5	0.13
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	3	0.13
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	7	0.13
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	14	0.13
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	15	0.13
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	18	0.13
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	1	0.13
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	2	0.13
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	6	0.13
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	12	0.13
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	14	0.13
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	17	0.13
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	20	0.13
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	5	0.13
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	2	0.13
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	3	0.13
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	2	0.13
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	6	0.13
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	7	0.13
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	16	0.13
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	20	0.13
(1,1710)	1:410:A:ARG:HB2	1:410:A:ARG:HD2	17	0.13
(1,1706)	1:410:A:ARG:H	1:410:A:ARG:HB2	10	0.13
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	18	0.13
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	1	0.13
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	5	0.13
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	10	0.13
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	19	0.13
(1,1698)	1:409:A:GLN:HG3	1:412:A:LEU:HB2	11	0.13
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG3	9	0.13
(1,1691)	1:409:A:GLN:HE22	1:409:A:GLN:HG3	19	0.13
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD21	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:406:A:GLU:HA	1:407:A:PRO:HD2	14	0.13
(1,1661)	1:406:A:GLU:HA	1:407:A:PRO:HD2	19	0.13
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	2	0.13
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	2	0.13
(1,1627)	1:405:A:LYS:HE3	1:405:A:LYS:HG2	14	0.13
(1,1624)	1:405:A:LYS:HE2	1:413:A:PHE:HE2	9	0.13
(1,1595)	1:405:A:LYS:HA	1:413:A:PHE:HA	7	0.13
(1,1586)	1:404:A:ARG:HG3	1:404:A:ARG:HD3	5	0.13
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	1	0.13
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	8	0.13
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	10	0.13
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	6	0.13
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	8	0.13
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	12	0.13
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD11	7	0.13
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD13	8	0.13
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD12	14	0.13
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD11	1	0.13
(1,1568)	1:403:A:ILE:HB	1:403:A:ILE:HD12	6	0.13
(1,1561)	1:413:A:PHE:HB2	1:403:A:ILE:HG22	15	0.13
(1,1557)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	1	0.13
(1,1557)	1:403:A:ILE:HG23	1:413:A:PHE:HD2	9	0.13
(1,1557)	1:403:A:ILE:HG23	1:413:A:PHE:HD2	17	0.13
(1,1539)	1:403:A:ILE:HA	1:416:A:MET:HB2	9	0.13
(1,1516)	1:397:A:TYR:HB3	1:402:A:ILE:HB	11	0.13
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	3	0.13
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	10	0.13
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	11	0.13
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	18	0.13
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD23	13	0.13
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD22	15	0.13
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD22	18	0.13
(1,1479)	1:400:A:LEU:HD13	1:399:A:LYS:HE2	9	0.13
(1,1478)	1:399:A:LYS:HE2	1:400:A:LEU:HD23	20	0.13
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	5	0.13
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	16	0.13
(1,1343)	1:390:A:MET:HG2	1:390:A:MET:HA	10	0.13
(1,1336)	1:389:A:LYS:HG3	1:389:A:LYS:HE3	20	0.13
(1,1315)	1:389:A:LYS:H	1:389:A:LYS:HG2	9	0.13
(1,1311)	1:389:A:LYS:HA	1:388:A:GLU:HG3	20	0.13
(1,1289)	1:386:A:THR:H	1:386:A:THR:HG23	18	0.13
(1,1284)	1:385:A:MET:H	1:385:A:MET:HG2	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1284)	1:385:A:MET:H	1:385:A:MET:HG2	19	0.13
(1,1239)	1:381:A:ASN:HB3	1:382:A:ARG:HG2	15	0.13
(1,1216)	1:380:A:LYS:HA	1:380:A:LYS:HE3	1	0.13
(1,1215)	1:376:A:TRP:HZ2	1:380:A:LYS:HE3	19	0.13
(1,1200)	1:380:A:LYS:HG2	1:376:A:TRP:HE1	19	0.13
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	3	0.13
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	6	0.13
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	14	0.13
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	16	0.13
(1,1178)	1:378:A:ASN:HD21	1:378:A:ASN:HB3	4	0.13
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	2	0.13
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	7	0.13
(1,1055)	1:371:A:GLY:H	1:369:A:PRO:HG2	13	0.13
(1,1047)	1:369:A:PRO:HD2	1:411:A:LEU:HD12	13	0.13
(1,1001)	1:367:A:VAL:HG23	1:366:A:ILE:HA	12	0.13
(1,1001)	1:367:A:VAL:HG22	1:366:A:ILE:HA	18	0.13
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG13	18	0.13
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG12	15	0.13
(1,987)	1:367:A:VAL:HA	1:367:A:VAL:HG22	15	0.13
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG21	10	0.13
(1,941)	1:365:A:ARG:HG3	1:365:A:ARG:HD3	15	0.13
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	1	0.13
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	11	0.13
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	9	0.13
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG2	12	0.13
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	20	0.13
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	19	0.13
(1,796)	1:360:A:GLU:H	1:359:A:LYS:HD3	7	0.13
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	9	0.13
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	10	0.13
(1,751)	1:358:A:ASP:H	1:357:A:GLU:HB3	6	0.13
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	6	0.13
(1,704)	1:356:A:TRP:HB3	1:359:A:LYS:HB3	18	0.13
(1,694)	1:426:A:ARG:HD2	1:401:A:ASN:HD21	4	0.13
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG2	20	0.13
(1,654)	1:354:A:ILE:HD11	1:354:A:ILE:H	1	0.13
(1,654)	1:354:A:ILE:HD13	1:354:A:ILE:H	2	0.13
(1,654)	1:354:A:ILE:HD13	1:354:A:ILE:H	3	0.13
(1,654)	1:354:A:ILE:HD11	1:354:A:ILE:H	4	0.13
(1,654)	1:354:A:ILE:HD12	1:354:A:ILE:H	5	0.13
(1,654)	1:354:A:ILE:HD11	1:354:A:ILE:H	6	0.13
(1,654)	1:354:A:ILE:HD12	1:354:A:ILE:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:354:A:ILE:HD11	1:354:A:ILE:H	20	0.13
(1,650)	1:354:A:ILE:HG21	1:344:A:LEU:HD13	20	0.13
(1,641)	1:354:A:ILE:HG22	1:345:A:LEU:H	12	0.13
(1,618)	1:352:A:ASN:HD22	1:352:A:ASN:HB3	2	0.13
(1,606)	1:351:A:GLU:HA	1:355:A:ARG:HB3	2	0.13
(1,606)	1:351:A:GLU:HA	1:355:A:ARG:HB3	16	0.13
(1,574)	1:348:A:SER:HA	1:351:A:GLU:HG2	1	0.13
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	1	0.13
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	9	0.13
(1,542)	1:345:A:LEU:H	1:345:A:LEU:HD22	17	0.13
(1,510)	1:340:A:TYR:HE1	1:344:A:LEU:HD21	10	0.13
(1,509)	1:340:A:TYR:HD1	1:344:A:LEU:HD21	8	0.13
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	4	0.13
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	18	0.13
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	19	0.13
(1,415)	1:338:A:TRP:HZ3	1:342:A:TYR:HD2	17	0.13
(1,375)	1:337:A:LEU:HD13	1:393:A:ALA:HB3	4	0.13
(1,375)	1:337:A:LEU:HD12	1:393:A:ALA:HB3	13	0.13
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	3	0.13
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	14	0.13
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	13	0.13
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	17	0.13
(1,348)	1:335:A:ARG:HD3	1:343:A:GLN:HG2	15	0.13
(1,342)	1:336:A:LEU:H	1:335:A:ARG:HB2	10	0.13
(1,278)	1:387:A:TYR:HD2	1:387:A:TYR:H	6	0.13
(1,278)	1:387:A:TYR:HD2	1:387:A:TYR:H	7	0.13
(1,258)	1:375:A:LEU:HD22	1:350:A:TYR:HE1	8	0.13
(1,258)	1:375:A:LEU:HD23	1:350:A:TYR:HE1	11	0.13
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB3	7	0.13
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB2	17	0.13
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB3	18	0.13
(1,174)	1:415:A:PHE:HA	1:404:A:ARG:H	5	0.13
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD21	6	0.13
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	13	0.13
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	3	0.13
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	7	0.13
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	8	0.13
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	16	0.13
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	17	0.13
(1,83)	1:432:A:HIS:HB2	1:432:A:HIS:HD2	8	0.13
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD12	18	0.13
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:375:A:LEU:HA	1:375:A:LEU:HB3	16	0.13
(1,42)	1:379:A:HIS:HB2	1:376:A:TRP:HA	10	0.13
(1,3768)	1:412:A:LEU:H	1:411:A:LEU:HG	2	0.12
(1,3754)	1:402:A:ILE:H	1:402:A:ILE:HD12	6	0.12
(1,3754)	1:402:A:ILE:H	1:402:A:ILE:HD11	13	0.12
(1,3754)	1:402:A:ILE:H	1:402:A:ILE:HD11	20	0.12
(1,3723)	1:390:A:MET:H	1:373:A:ALA:HB1	1	0.12
(1,3722)	1:386:A:THR:H	1:388:A:GLU:H	3	0.12
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD11	14	0.12
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	20	0.12
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	2	0.12
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	6	0.12
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	9	0.12
(1,3671)	1:363:A:ILE:H	1:358:A:ASP:HB2	12	0.12
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG22	2	0.12
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG21	10	0.12
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG23	13	0.12
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG23	15	0.12
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	1	0.12
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	3	0.12
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	4	0.12
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	6	0.12
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	13	0.12
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	16	0.12
(1,3585)	1:366:A:ILE:HG21	1:372:A:LEU:HB2	14	0.12
(1,3572)	1:336:A:LEU:HD21	1:376:A:TRP:HH2	2	0.12
(1,3572)	1:336:A:LEU:HD21	1:376:A:TRP:HH2	4	0.12
(1,3540)	1:338:A:TRP:HD1	1:422:A:ILE:HG21	3	0.12
(1,3526)	1:375:A:LEU:HA	1:375:A:LEU:HG	7	0.12
(1,3526)	1:375:A:LEU:HA	1:375:A:LEU:HG	11	0.12
(1,3526)	1:375:A:LEU:HA	1:375:A:LEU:HG	16	0.12
(1,3520)	1:338:A:TRP:HZ2	1:419:A:PRO:HA	14	0.12
(1,3501)	1:417:A:LYS:HD2	1:417:A:LYS:H	2	0.12
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	9	0.12
(1,3488)	1:403:A:ILE:HG23	1:415:A:PHE:HD1	1	0.12
(1,3488)	1:403:A:ILE:HG22	1:415:A:PHE:HD1	17	0.12
(1,3478)	1:415:A:PHE:HE2	1:356:A:TRP:HZ3	7	0.12
(1,3478)	1:415:A:PHE:HE2	1:356:A:TRP:HZ3	13	0.12
(1,3464)	1:414:A:ARG:HG2	1:414:A:ARG:HA	19	0.12
(1,3451)	1:412:A:LEU:HD11	1:365:A:ARG:HD3	20	0.12
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD22	13	0.12
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD23	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3433)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	15	0.12
(1,3433)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	18	0.12
(1,3429)	1:382:A:ARG:HB2	1:380:A:LYS:HE2	16	0.12
(1,3423)	1:408:A:GLY:HA3	1:409:A:GLN:HG2	20	0.12
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	3	0.12
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	20	0.12
(1,3410)	1:392:A:ARG:HG2	1:392:A:ARG:HD2	12	0.12
(1,3409)	1:404:A:ARG:HB2	1:404:A:ARG:HD2	17	0.12
(1,3383)	1:399:A:LYS:HE3	1:400:A:LEU:HD23	5	0.12
(1,3383)	1:399:A:LYS:HE2	1:400:A:LEU:HD22	13	0.12
(1,3383)	1:399:A:LYS:HE3	1:400:A:LEU:HD21	18	0.12
(1,3381)	1:400:A:LEU:HD12	1:429:A:ARG:HD2	6	0.12
(1,3371)	1:399:A:LYS:HG3	1:398:A:TYR:H	6	0.12
(1,3362)	1:395:A:ARG:HB3	1:395:A:ARG:HD2	15	0.12
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	14	0.12
(1,3336)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	8	0.12
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	13	0.12
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	11	0.12
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	4	0.12
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	13	0.12
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	17	0.12
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	19	0.12
(1,3232)	1:367:A:VAL:HB	1:368:A:ASP:HB2	2	0.12
(1,3213)	1:365:A:ARG:HB2	1:365:A:ARG:HD2	8	0.12
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG21	4	0.12
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG23	4	0.12
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG21	9	0.12
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG22	13	0.12
(1,3201)	1:358:A:ASP:HB3	1:363:A:ILE:HG12	11	0.12
(1,3188)	1:362:A:LYS:HG3	1:415:A:PHE:HD2	17	0.12
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	3	0.12
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	14	0.12
(1,3131)	1:374:A:ARG:HG2	1:375:A:LEU:HD22	11	0.12
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	12	0.12
(1,3114)	1:337:A:LEU:HB2	1:393:A:ALA:H	1	0.12
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	3	0.12
(1,3060)	1:338:A:TRP:HZ3	1:402:A:ILE:HG21	20	0.12
(1,3050)	1:338:A:TRP:HD1	1:336:A:LEU:HB2	7	0.12
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	3	0.12
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	16	0.12
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	20	0.12
(1,3006)	1:405:A:LYS:H	1:398:A:TYR:HD1	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	1	0.12
(1,2976)	1:349:A:ARG:H	1:350:A:TYR:HD2	7	0.12
(1,2963)	1:340:A:TYR:HD2	1:375:A:LEU:HB3	8	0.12
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	5	0.12
(1,2959)	1:340:A:TYR:HD2	1:341:A:VAL:HG13	15	0.12
(1,2946)	1:415:A:PHE:HB2	1:362:A:LYS:HD3	8	0.12
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	1	0.12
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD1	7	0.12
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD2	18	0.12
(1,2921)	1:396:A:HIS:HA	1:400:A:LEU:HD11	5	0.12
(1,2921)	1:396:A:HIS:HA	1:400:A:LEU:HD13	15	0.12
(1,2919)	1:396:A:HIS:HB2	1:433:A:LEU:HD13	18	0.12
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG23	12	0.12
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG22	19	0.12
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG21	10	0.12
(1,2888)	1:412:A:LEU:HD13	1:406:A:GLU:H	1	0.12
(1,2888)	1:412:A:LEU:HD12	1:406:A:GLU:H	13	0.12
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB1	3	0.12
(1,2853)	1:358:A:ASP:H	1:363:A:ILE:HD11	15	0.12
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD11	16	0.12
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	13	0.12
(1,2691)	1:405:A:LYS:H	1:404:A:ARG:HB3	17	0.12
(1,2649)	1:398:A:TYR:H	1:403:A:ILE:HG21	8	0.12
(1,2530)	1:373:A:ALA:H	1:371:A:GLY:HA3	6	0.12
(1,2454)	1:361:A:SER:H	1:360:A:GLU:HG2	2	0.12
(1,2381)	1:349:A:ARG:H	1:349:A:ARG:HG2	15	0.12
(1,2337)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	17	0.12
(1,2328)	1:338:A:TRP:H	1:336:A:LEU:HB2	6	0.12
(1,2264)	1:376:A:TRP:HE1	1:380:A:LYS:HD2	4	0.12
(1,2261)	1:336:A:LEU:HD12	1:430:A:LEU:HD21	5	0.12
(1,2245)	1:402:A:ILE:HG21	1:403:A:ILE:HD11	16	0.12
(1,2243)	1:400:A:LEU:HD13	1:402:A:ILE:HD11	2	0.12
(1,2239)	1:366:A:ILE:HD13	1:394:A:LEU:HD12	7	0.12
(1,2239)	1:366:A:ILE:HD11	1:394:A:LEU:HD11	13	0.12
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD23	14	0.12
(1,2235)	1:354:A:ILE:HD12	1:372:A:LEU:HD22	20	0.12
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	4	0.12
(1,2195)	1:430:A:LEU:H	1:429:A:ARG:HA	8	0.12
(1,2195)	1:430:A:LEU:H	1:429:A:ARG:HA	15	0.12
(1,2163)	1:434:A:GLU:HG2	1:336:A:LEU:HD21	9	0.12
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD22	2	0.12
(1,2157)	1:431:A:GLU:H	1:336:A:LEU:HD23	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:336:A:LEU:HD11	1:336:A:LEU:HD23	5	0.12
(1,2154)	1:336:A:LEU:HD13	1:336:A:LEU:HD21	13	0.12
(1,2147)	1:336:A:LEU:HD11	1:338:A:TRP:HZ2	7	0.12
(1,2130)	1:356:A:TRP:HH2	1:362:A:LYS:HD2	20	0.12
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	5	0.12
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	7	0.12
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	8	0.12
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	16	0.12
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	4	0.12
(1,2122)	1:436:A:GLN:HG2	1:436:A:GLN:HB2	20	0.12
(1,2121)	1:436:A:GLN:HA	1:436:A:GLN:HG2	4	0.12
(1,2115)	1:436:A:GLN:H	1:435:A:SER:HB2	13	0.12
(1,2113)	1:435:A:SER:HB2	1:435:A:SER:HA	15	0.12
(1,2106)	1:434:A:GLU:HG3	1:434:A:GLU:HA	5	0.12
(1,2106)	1:434:A:GLU:HG3	1:434:A:GLU:HA	17	0.12
(1,2098)	1:435:A:SER:H	1:434:A:GLU:HA	17	0.12
(1,2093)	1:433:A:LEU:HD11	1:433:A:LEU:HB3	15	0.12
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	8	0.12
(1,2065)	1:431:A:GLU:HG2	1:428:A:ASP:HA	15	0.12
(1,2044)	1:430:A:LEU:H	1:430:A:LEU:HB3	5	0.12
(1,2044)	1:430:A:LEU:H	1:430:A:LEU:HB3	8	0.12
(1,2043)	1:430:A:LEU:HB2	1:427:A:THR:HB	3	0.12
(1,2043)	1:430:A:LEU:HB2	1:427:A:THR:HB	18	0.12
(1,2043)	1:430:A:LEU:HB2	1:427:A:THR:HB	20	0.12
(1,2017)	1:427:A:THR:HG23	1:338:A:TRP:HD1	18	0.12
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	10	0.12
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	18	0.12
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	18	0.12
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	12	0.12
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	4	0.12
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	8	0.12
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	14	0.12
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	16	0.12
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD12	5	0.12
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD13	9	0.12
(1,1938)	1:342:A:TYR:HA	1:345:A:LEU:HG	14	0.12
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	1	0.12
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	15	0.12
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	16	0.12
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	17	0.12
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	18	0.12
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:421:A:GLU:H	1:420:A:ASP:HB2	6	0.12
(1,1859)	1:417:A:LYS:HD2	1:417:A:LYS:HB2	19	0.12
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	13	0.12
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	3	0.12
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	18	0.12
(1,1794)	1:404:A:ARG:HG3	1:405:A:LYS:HA	6	0.12
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	6	0.12
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	16	0.12
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	18	0.12
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	1	0.12
(1,1735)	1:366:A:ILE:HB	1:411:A:LEU:HD22	12	0.12
(1,1706)	1:410:A:ARG:H	1:410:A:ARG:HB2	5	0.12
(1,1706)	1:410:A:ARG:H	1:410:A:ARG:HB2	11	0.12
(1,1706)	1:410:A:ARG:H	1:410:A:ARG:HB2	17	0.12
(1,1703)	1:410:A:ARG:HA	1:410:A:ARG:HB2	13	0.12
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	17	0.12
(1,1658)	1:406:A:GLU:H	1:407:A:PRO:HD2	20	0.12
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	6	0.12
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	17	0.12
(1,1627)	1:405:A:LYS:HE3	1:405:A:LYS:HG2	5	0.12
(1,1624)	1:405:A:LYS:HE2	1:413:A:PHE:HE2	4	0.12
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	13	0.12
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	17	0.12
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	18	0.12
(1,1581)	1:405:A:LYS:H	1:404:A:ARG:HG2	20	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD12	2	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD11	4	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD12	5	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD13	9	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD12	11	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD13	12	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD12	13	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD11	15	0.12
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD11	17	0.12
(1,1564)	1:397:A:TYR:HB3	1:403:A:ILE:HD12	15	0.12
(1,1564)	1:397:A:TYR:HB3	1:403:A:ILE:HD13	16	0.12
(1,1557)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	19	0.12
(1,1557)	1:403:A:ILE:HG22	1:413:A:PHE:HD2	20	0.12
(1,1533)	1:416:A:MET:H	1:402:A:ILE:HG23	15	0.12
(1,1516)	1:397:A:TYR:HB3	1:402:A:ILE:HB	7	0.12
(1,1511)	1:402:A:ILE:HA	1:402:A:ILE:HG22	15	0.12
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	15	0.12
(1,1502)	1:401:A:ASN:HD22	1:401:A:ASN:HB3	16	0.12
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	5	0.12
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	10	0.12
(1,1498)	1:401:A:ASN:HA	1:401:A:ASN:HB2	16	0.12
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD21	3	0.12
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD21	5	0.12
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD21	7	0.12
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD22	10	0.12
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD23	19	0.12
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD21	20	0.12
(1,1472)	1:399:A:LYS:HD2	1:398:A:TYR:H	16	0.12
(1,1452)	1:399:A:LYS:HA	1:399:A:LYS:HD3	13	0.12
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	10	0.12
(1,1417)	1:380:A:LYS:H	1:380:A:LYS:HG2	12	0.12
(1,1407)	1:413:A:PHE:HE2	1:394:A:LEU:HD11	20	0.12
(1,1343)	1:390:A:MET:HG2	1:390:A:MET:HA	7	0.12
(1,1342)	1:360:A:GLU:HA	1:360:A:GLU:HB3	9	0.12
(1,1327)	1:389:A:LYS:HD3	1:385:A:MET:HA	16	0.12
(1,1311)	1:389:A:LYS:HA	1:388:A:GLU:HG2	11	0.12
(1,1311)	1:389:A:LYS:HA	1:388:A:GLU:HG2	19	0.12
(1,1308)	1:388:A:GLU:HA	1:388:A:GLU:HG2	19	0.12
(1,1284)	1:385:A:MET:H	1:385:A:MET:HG3	1	0.12
(1,1245)	1:382:A:ARG:HB2	1:382:A:ARG:HD2	8	0.12
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	14	0.12
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	20	0.12
(1,1181)	1:379:A:HIS:HB2	1:380:A:LYS:HG2	20	0.12
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	9	0.12
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	15	0.12
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	17	0.12
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	18	0.12
(1,1178)	1:378:A:ASN:HD21	1:378:A:ASN:HB3	2	0.12
(1,1178)	1:378:A:ASN:HD21	1:378:A:ASN:HB3	5	0.12
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	2	0.12
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	9	0.12
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	12	0.12
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	19	0.12
(1,1133)	1:374:A:ARG:HB2	1:374:A:ARG:HD2	4	0.12
(1,1103)	1:341:A:VAL:HG12	1:372:A:LEU:HD13	1	0.12
(1,1071)	1:342:A:TYR:HB3	1:356:A:TRP:HZ2	2	0.12
(1,1071)	1:342:A:TYR:HB3	1:356:A:TRP:HZ2	10	0.12
(1,1069)	1:370:A:ASN:HB2	1:372:A:LEU:H	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:368:A:ASP:H	1:368:A:ASP:HB2	15	0.12
(1,1012)	1:368:A:ASP:H	1:368:A:ASP:HB2	17	0.12
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG11	6	0.12
(1,987)	1:367:A:VAL:HA	1:367:A:VAL:HG21	12	0.12
(1,987)	1:367:A:VAL:HA	1:367:A:VAL:HG22	19	0.12
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG23	18	0.12
(1,937)	1:365:A:ARG:H	1:365:A:ARG:HD3	12	0.12
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	13	0.12
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	2	0.12
(1,873)	1:362:A:LYS:HG3	1:362:A:LYS:HE2	2	0.12
(1,828)	1:436:A:GLN:H	1:435:A:SER:HB2	1	0.12
(1,825)	1:363:A:ILE:H	1:361:A:SER:HB3	5	0.12
(1,818)	1:360:A:GLU:HG2	1:359:A:LYS:HB2	3	0.12
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	11	0.12
(1,815)	1:360:A:GLU:HB3	1:360:A:GLU:HG2	15	0.12
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB1	9	0.12
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB3	14	0.12
(1,805)	1:359:A:LYS:HE2	1:359:A:LYS:HG2	1	0.12
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	8	0.12
(1,785)	1:356:A:TRP:HD1	1:359:A:LYS:HB3	16	0.12
(1,781)	1:359:A:LYS:HA	1:359:A:LYS:HG2	9	0.12
(1,749)	1:357:A:GLU:H	1:357:A:GLU:HB3	20	0.12
(1,679)	1:389:A:LYS:HB2	1:385:A:MET:HG2	15	0.12
(1,656)	1:354:A:ILE:HD11	1:366:A:ILE:HA	18	0.12
(1,654)	1:354:A:ILE:HD12	1:354:A:ILE:H	9	0.12
(1,654)	1:354:A:ILE:HD13	1:354:A:ILE:H	12	0.12
(1,654)	1:354:A:ILE:HD11	1:354:A:ILE:H	13	0.12
(1,654)	1:354:A:ILE:HD13	1:354:A:ILE:H	17	0.12
(1,618)	1:352:A:ASN:HD22	1:352:A:ASN:HB3	4	0.12
(1,577)	1:347:A:ASP:HA	1:348:A:SER:HB3	14	0.12
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	3	0.12
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	6	0.12
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	15	0.12
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	20	0.12
(1,509)	1:340:A:TYR:HD1	1:344:A:LEU:HD22	16	0.12
(1,475)	1:343:A:GLN:HB2	1:344:A:LEU:HD21	7	0.12
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	8	0.12
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	12	0.12
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	18	0.12
(1,443)	1:337:A:LEU:HD22	1:341:A:VAL:HG12	15	0.12
(1,440)	1:341:A:VAL:HA	1:341:A:VAL:HG12	6	0.12
(1,415)	1:338:A:TRP:HZ3	1:342:A:TYR:HD2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	2	0.12
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	19	0.12
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	20	0.12
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	12	0.12
(1,364)	1:397:A:TYR:HE1	1:337:A:LEU:HB3	4	0.12
(1,334)	1:413:A:PHE:HZ	1:405:A:LYS:HD2	17	0.12
(1,322)	1:413:A:PHE:HD1	1:413:A:PHE:HA	9	0.12
(1,322)	1:413:A:PHE:HD1	1:413:A:PHE:HA	11	0.12
(1,322)	1:413:A:PHE:HD1	1:413:A:PHE:HA	17	0.12
(1,322)	1:413:A:PHE:HD1	1:413:A:PHE:HA	19	0.12
(1,278)	1:387:A:TYR:HD2	1:387:A:TYR:H	12	0.12
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	9	0.12
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB3	5	0.12
(1,170)	1:415:A:PHE:HB3	1:362:A:LYS:HB2	17	0.12
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD23	10	0.12
(1,120)	1:353:A:PHE:HB2	1:353:A:PHE:HD1	6	0.12
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD12	2	0.12
(1,97)	1:379:A:HIS:HD2	1:335:A:ARG:HB2	13	0.12
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	1	0.12
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	19	0.12
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	20	0.12
(1,83)	1:432:A:HIS:HB2	1:432:A:HIS:HD2	2	0.12
(1,83)	1:432:A:HIS:HB2	1:432:A:HIS:HD2	3	0.12
(1,83)	1:432:A:HIS:HB2	1:432:A:HIS:HD2	4	0.12
(1,83)	1:432:A:HIS:HB2	1:432:A:HIS:HD2	7	0.12
(1,83)	1:432:A:HIS:HB2	1:432:A:HIS:HD2	15	0.12
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD11	4	0.12
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD13	13	0.12
(1,24)	1:376:A:TRP:HD1	1:380:A:LYS:HE2	6	0.12
(1,3777)	1:343:A:GLN:H	1:342:A:TYR:HD2	18	0.11
(1,3774)	1:417:A:LYS:H	1:422:A:ILE:HG13	12	0.11
(1,3769)	1:414:A:ARG:H	1:403:A:ILE:HA	9	0.11
(1,3769)	1:414:A:ARG:H	1:415:A:PHE:HA	13	0.11
(1,3722)	1:386:A:THR:H	1:388:A:GLU:H	14	0.11
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD11	8	0.11
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	3	0.11
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	5	0.11
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	10	0.11
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	18	0.11
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	19	0.11
(1,3674)	1:363:A:ILE:H	1:363:A:ILE:HD13	5	0.11
(1,3674)	1:363:A:ILE:H	1:363:A:ILE:HD11	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3674)	1:363:A:ILE:H	1:363:A:ILE:HD12	12	0.11
(1,3651)	1:416:A:MET:H	1:414:A:ARG:HD3	14	0.11
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	7	0.11
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	14	0.11
(1,3620)	1:342:A:TYR:H	1:341:A:VAL:HA	17	0.11
(1,3617)	1:340:A:TYR:H	1:376:A:TRP:HE3	6	0.11
(1,3589)	1:344:A:LEU:HD13	1:350:A:TYR:HD1	6	0.11
(1,3589)	1:344:A:LEU:HD11	1:350:A:TYR:HD1	19	0.11
(1,3583)	1:413:A:PHE:HD2	1:394:A:LEU:HD13	18	0.11
(1,3487)	1:362:A:LYS:HB2	1:415:A:PHE:HD2	7	0.11
(1,3478)	1:415:A:PHE:HE2	1:356:A:TRP:HZ3	10	0.11
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	7	0.11
(1,3464)	1:414:A:ARG:HG2	1:414:A:ARG:HA	14	0.11
(1,3443)	1:413:A:PHE:HE1	1:411:A:LEU:HD23	17	0.11
(1,3433)	1:392:A:ARG:HG3	1:392:A:ARG:HD3	17	0.11
(1,3425)	1:410:A:ARG:HG3	1:410:A:ARG:HA	15	0.11
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	8	0.11
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	12	0.11
(1,3410)	1:392:A:ARG:HG2	1:392:A:ARG:HD2	9	0.11
(1,3398)	1:403:A:ILE:HD11	1:415:A:PHE:HZ	13	0.11
(1,3376)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	2	0.11
(1,3337)	1:410:A:ARG:HG3	1:410:A:ARG:HD2	18	0.11
(1,3330)	1:392:A:ARG:HG3	1:394:A:LEU:H	16	0.11
(1,3312)	1:389:A:LYS:HG2	1:389:A:LYS:HD3	8	0.11
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	1	0.11
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	2	0.11
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	14	0.11
(1,3294)	1:383:A:THR:HA	1:382:A:ARG:HB3	11	0.11
(1,3286)	1:370:A:ASN:HB3	1:369:A:PRO:HG2	17	0.11
(1,3268)	1:372:A:LEU:HD21	1:375:A:LEU:HB2	11	0.11
(1,3216)	1:365:A:ARG:HG2	1:412:A:LEU:HA	3	0.11
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG22	18	0.11
(1,3205)	1:364:A:PHE:HA	1:363:A:ILE:HG21	19	0.11
(1,3196)	1:363:A:ILE:HA	1:358:A:ASP:HB3	9	0.11
(1,3195)	1:363:A:ILE:HA	1:414:A:ARG:HD2	12	0.11
(1,3195)	1:363:A:ILE:HA	1:414:A:ARG:HD2	14	0.11
(1,3190)	1:362:A:LYS:HG3	1:356:A:TRP:HH2	14	0.11
(1,3186)	1:356:A:TRP:HZ3	1:362:A:LYS:HB2	2	0.11
(1,3151)	1:356:A:TRP:HH2	1:345:A:LEU:HB2	4	0.11
(1,3140)	1:393:A:ALA:H	1:392:A:ARG:HD2	4	0.11
(1,3134)	1:389:A:LYS:HB3	1:393:A:ALA:H	14	0.11
(1,3117)	1:341:A:VAL:HA	1:354:A:ILE:HG21	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3091)	1:345:A:LEU:HD11	1:364:A:PHE:HE2	7	0.11
(1,3085)	1:345:A:LEU:HA	1:344:A:LEU:H	1	0.11
(1,3067)	1:338:A:TRP:H	1:341:A:VAL:HG13	2	0.11
(1,3067)	1:338:A:TRP:H	1:341:A:VAL:HG12	17	0.11
(1,3060)	1:338:A:TRP:HZ3	1:422:A:ILE:HG13	7	0.11
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	10	0.11
(1,3049)	1:338:A:TRP:HA	1:338:A:TRP:HD1	15	0.11
(1,3047)	1:338:A:TRP:HD1	1:340:A:TYR:H	17	0.11
(1,3020)	1:413:A:PHE:HZ	1:366:A:ILE:HB	11	0.11
(1,3014)	1:405:A:LYS:H	1:398:A:TYR:HE1	12	0.11
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	2	0.11
(1,2981)	1:350:A:TYR:HE1	1:350:A:TYR:HA	2	0.11
(1,2976)	1:349:A:ARG:H	1:350:A:TYR:HD2	13	0.11
(1,2961)	1:340:A:TYR:HD1	1:379:A:HIS:HE1	1	0.11
(1,2961)	1:340:A:TYR:HD1	1:379:A:HIS:HE1	2	0.11
(1,2946)	1:415:A:PHE:HB2	1:362:A:LYS:HD3	2	0.11
(1,2933)	1:364:A:PHE:HA	1:364:A:PHE:HD1	20	0.11
(1,2902)	1:430:A:LEU:HD11	1:430:A:LEU:H	1	0.11
(1,2902)	1:430:A:LEU:HD12	1:430:A:LEU:H	14	0.11
(1,2902)	1:430:A:LEU:HD12	1:430:A:LEU:H	18	0.11
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG23	15	0.11
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG22	12	0.11
(1,2897)	1:418:A:THR:H	1:418:A:THR:HG21	18	0.11
(1,2885)	1:402:A:ILE:HD13	1:403:A:ILE:H	4	0.11
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD21	5	0.11
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD22	10	0.11
(1,2882)	1:400:A:LEU:H	1:400:A:LEU:HD23	19	0.11
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB3	5	0.11
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB2	6	0.11
(1,2872)	1:386:A:THR:H	1:373:A:ALA:HB1	13	0.11
(1,2871)	1:384:A:ASN:H	1:383:A:THR:HG23	15	0.11
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD11	20	0.11
(1,2850)	1:355:A:ARG:H	1:367:A:VAL:HG23	12	0.11
(1,2847)	1:354:A:ILE:HD13	1:345:A:LEU:H	3	0.11
(1,2844)	1:338:A:TRP:HE1	1:402:A:ILE:HG22	16	0.11
(1,2843)	1:338:A:TRP:H	1:403:A:ILE:HD11	5	0.11
(1,2791)	1:428:A:ASP:H	1:429:A:ARG:HG3	10	0.11
(1,2724)	1:414:A:ARG:H	1:416:A:MET:H	6	0.11
(1,2638)	1:393:A:ALA:H	1:337:A:LEU:HD13	17	0.11
(1,2627)	1:392:A:ARG:H	1:390:A:MET:HG2	19	0.11
(1,2550)	1:377:A:GLY:H	1:382:A:ARG:HB2	18	0.11
(1,2515)	1:371:A:GLY:H	1:370:A:ASN:HB2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2509)	1:370:A:ASN:HD22	1:370:A:ASN:HA	17	0.11
(1,2484)	1:365:A:ARG:H	1:355:A:ARG:HD2	12	0.11
(1,2454)	1:361:A:SER:H	1:360:A:GLU:HG2	6	0.11
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	13	0.11
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	18	0.11
(1,2378)	1:349:A:ARG:H	1:347:A:ASP:HB2	19	0.11
(1,2364)	1:347:A:ASP:H	1:346:A:SER:HB2	2	0.11
(1,2364)	1:347:A:ASP:H	1:346:A:SER:HB2	16	0.11
(1,2328)	1:338:A:TRP:H	1:336:A:LEU:HB2	13	0.11
(1,2324)	1:338:A:TRP:H	1:397:A:TYR:HE1	7	0.11
(1,2305)	1:340:A:TYR:H	1:339:A:ASP:HB2	3	0.11
(1,2251)	1:363:A:ILE:HD12	1:412:A:LEU:HD12	2	0.11
(1,2249)	1:366:A:ILE:HD13	1:411:A:LEU:HD22	6	0.11
(1,2249)	1:366:A:ILE:HD13	1:411:A:LEU:HD21	8	0.11
(1,2249)	1:366:A:ILE:HD11	1:411:A:LEU:HD23	9	0.11
(1,2249)	1:366:A:ILE:HD12	1:411:A:LEU:HD21	16	0.11
(1,2247)	1:394:A:LEU:HD22	1:403:A:ILE:HG23	20	0.11
(1,2245)	1:402:A:ILE:HG21	1:403:A:ILE:HD11	5	0.11
(1,2239)	1:366:A:ILE:HD11	1:394:A:LEU:HD13	2	0.11
(1,2235)	1:354:A:ILE:HD11	1:372:A:LEU:HD22	2	0.11
(1,2235)	1:354:A:ILE:HD13	1:372:A:LEU:HD22	9	0.11
(1,2203)	1:433:A:LEU:HD22	1:432:A:HIS:HB2	4	0.11
(1,2195)	1:430:A:LEU:H	1:429:A:ARG:HA	5	0.11
(1,2195)	1:430:A:LEU:H	1:429:A:ARG:HA	7	0.11
(1,2170)	1:353:A:PHE:H	1:353:A:PHE:HD2	1	0.11
(1,2130)	1:356:A:TRP:HH2	1:362:A:LYS:HD2	16	0.11
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	10	0.11
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	14	0.11
(1,2106)	1:434:A:GLU:HG3	1:434:A:GLU:HA	4	0.11
(1,2106)	1:434:A:GLU:HG3	1:434:A:GLU:HA	14	0.11
(1,2086)	1:430:A:LEU:HD23	1:396:A:HIS:HB2	14	0.11
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	1	0.11
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	3	0.11
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	4	0.11
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	7	0.11
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	9	0.11
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	13	0.11
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	14	0.11
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	17	0.11
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	19	0.11
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD11	16	0.11
(1,2044)	1:430:A:LEU:H	1:430:A:LEU:HB3	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:430:A:LEU:HB2	1:427:A:THR:HB	2	0.11
(1,2043)	1:430:A:LEU:HB2	1:427:A:THR:HB	11	0.11
(1,2043)	1:430:A:LEU:HB2	1:427:A:THR:HB	17	0.11
(1,2036)	1:433:A:LEU:HA	1:436:A:GLN:HG3	15	0.11
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	4	0.11
(1,2011)	1:427:A:THR:HA	1:430:A:LEU:HB3	18	0.11
(1,2007)	1:426:A:ARG:HG2	1:426:A:ARG:HD2	7	0.11
(1,1999)	1:426:A:ARG:HD2	1:426:A:ARG:HB3	6	0.11
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	2	0.11
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	6	0.11
(1,1981)	1:423:A:MET:HB3	1:423:A:MET:HG2	20	0.11
(1,1970)	1:423:A:MET:H	1:423:A:MET:HA	20	0.11
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD12	8	0.11
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD13	11	0.11
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD11	12	0.11
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD12	15	0.11
(1,1961)	1:422:A:ILE:H	1:422:A:ILE:HD13	16	0.11
(1,1938)	1:342:A:TYR:HA	1:345:A:LEU:HG	1	0.11
(1,1938)	1:342:A:TYR:HA	1:345:A:LEU:HG	5	0.11
(1,1938)	1:342:A:TYR:HA	1:345:A:LEU:HG	7	0.11
(1,1938)	1:342:A:TYR:HA	1:345:A:LEU:HG	17	0.11
(1,1938)	1:342:A:TYR:HA	1:345:A:LEU:HG	19	0.11
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	4	0.11
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	9	0.11
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	12	0.11
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	14	0.11
(1,1924)	1:421:A:GLU:H	1:421:A:GLU:HB3	19	0.11
(1,1838)	1:417:A:LYS:HB2	1:422:A:ILE:H	19	0.11
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	10	0.11
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	14	0.11
(1,1831)	1:417:A:LYS:H	1:416:A:MET:HG2	18	0.11
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	4	0.11
(1,1808)	1:341:A:VAL:HG12	1:415:A:PHE:HZ	3	0.11
(1,1805)	1:414:A:ARG:HG2	1:414:A:ARG:HD3	5	0.11
(1,1794)	1:404:A:ARG:HG3	1:405:A:LYS:HA	2	0.11
(1,1788)	1:414:A:ARG:HG3	1:414:A:ARG:H	2	0.11
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	13	0.11
(1,1782)	1:363:A:ILE:HG23	1:414:A:ARG:HA	9	0.11
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	8	0.11
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	7	0.11
(1,1697)	1:409:A:GLN:HG3	1:406:A:GLU:HB3	11	0.11
(1,1696)	1:409:A:GLN:HB3	1:409:A:GLN:HG2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:409:A:GLN:HB2	1:412:A:LEU:HD21	13	0.11
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	1	0.11
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	12	0.11
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	20	0.11
(1,1624)	1:405:A:LYS:HE2	1:413:A:PHE:HE2	19	0.11
(1,1617)	1:405:A:LYS:HE3	1:405:A:LYS:HA	17	0.11
(1,1588)	1:405:A:LYS:H	1:404:A:ARG:HD3	7	0.11
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	3	0.11
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	9	0.11
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	12	0.11
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD13	1	0.11
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD11	3	0.11
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD12	16	0.11
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD13	18	0.11
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD11	19	0.11
(1,1570)	1:403:A:ILE:HG12	1:403:A:ILE:HD12	20	0.11
(1,1564)	1:397:A:TYR:HB3	1:403:A:ILE:HD12	3	0.11
(1,1557)	1:403:A:ILE:HG21	1:413:A:PHE:HD2	11	0.11
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	10	0.11
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	11	0.11
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	16	0.11
(1,1539)	1:403:A:ILE:HA	1:416:A:MET:HB2	8	0.11
(1,1539)	1:403:A:ILE:HA	1:416:A:MET:HB2	11	0.11
(1,1539)	1:403:A:ILE:HA	1:416:A:MET:HB2	15	0.11
(1,1519)	1:402:A:ILE:HG12	1:402:A:ILE:HG22	15	0.11
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD23	1	0.11
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD22	2	0.11
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD22	4	0.11
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD21	6	0.11
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD22	8	0.11
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD22	11	0.11
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD22	12	0.11
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD21	14	0.11
(1,1477)	1:399:A:LYS:HE3	1:399:A:LYS:HG2	19	0.11
(1,1472)	1:399:A:LYS:HD2	1:398:A:TYR:H	4	0.11
(1,1472)	1:399:A:LYS:HD2	1:398:A:TYR:H	9	0.11
(1,1471)	1:399:A:LYS:HG2	1:399:A:LYS:HD2	1	0.11
(1,1407)	1:413:A:PHE:HE2	1:394:A:LEU:HD11	12	0.11
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	7	0.11
(1,1333)	1:389:A:LYS:HE2	1:389:A:LYS:HA	19	0.11
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	2	0.11
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	6	0.11
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	9	0.11
(1,1315)	1:389:A:LYS:H	1:389:A:LYS:HG2	12	0.11
(1,1315)	1:389:A:LYS:H	1:389:A:LYS:HG2	16	0.11
(1,1309)	1:388:A:GLU:HB3	1:388:A:GLU:HG2	17	0.11
(1,1284)	1:385:A:MET:H	1:385:A:MET:HG2	5	0.11
(1,1272)	1:383:A:THR:HG23	1:384:A:ASN:HB2	1	0.11
(1,1245)	1:382:A:ARG:HB2	1:382:A:ARG:HD2	16	0.11
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	10	0.11
(1,1216)	1:380:A:LYS:HA	1:380:A:LYS:HE3	8	0.11
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	2	0.11
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	20	0.11
(1,1178)	1:378:A:ASN:HD21	1:378:A:ASN:HB3	7	0.11
(1,1178)	1:378:A:ASN:HD21	1:378:A:ASN:HB3	14	0.11
(1,1174)	1:378:A:ASN:HA	1:378:A:ASN:HB3	13	0.11
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	1	0.11
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	3	0.11
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	5	0.11
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	7	0.11
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	11	0.11
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	14	0.11
(1,1103)	1:341:A:VAL:HG12	1:372:A:LEU:HD11	4	0.11
(1,1055)	1:371:A:GLY:H	1:369:A:PRO:HG2	19	0.11
(1,1004)	1:367:A:VAL:HG23	1:365:A:ARG:HB3	5	0.11
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG13	11	0.11
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG12	20	0.11
(1,987)	1:367:A:VAL:HA	1:367:A:VAL:HG21	6	0.11
(1,987)	1:367:A:VAL:HA	1:367:A:VAL:HG22	14	0.11
(1,987)	1:367:A:VAL:HA	1:367:A:VAL:HG22	17	0.11
(1,960)	1:367:A:VAL:H	1:366:A:ILE:HG23	12	0.11
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG23	17	0.11
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG21	20	0.11
(1,936)	1:366:A:ILE:H	1:365:A:ARG:HD2	18	0.11
(1,908)	1:363:A:ILE:HG22	1:414:A:ARG:H	7	0.11
(1,896)	1:361:A:SER:HB3	1:363:A:ILE:HG12	12	0.11
(1,873)	1:362:A:LYS:HG3	1:362:A:LYS:HE2	16	0.11
(1,867)	1:415:A:PHE:H	1:362:A:LYS:HD2	18	0.11
(1,854)	1:362:A:LYS:H	1:362:A:LYS:HG3	18	0.11
(1,825)	1:363:A:ILE:H	1:361:A:SER:HB3	16	0.11
(1,819)	1:360:A:GLU:HA	1:360:A:GLU:HG2	17	0.11
(1,818)	1:360:A:GLU:HG3	1:359:A:LYS:HB2	1	0.11
(1,816)	1:360:A:GLU:HG2	1:359:A:LYS:HG3	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:360:A:GLU:HB2	1:360:A:GLU:HG3	7	0.11
(1,812)	1:390:A:MET:HA	1:393:A:ALA:HB3	16	0.11
(1,811)	1:392:A:ARG:HA	1:392:A:ARG:HB3	10	0.11
(1,725)	1:356:A:TRP:HH2	1:363:A:ILE:H	7	0.11
(1,694)	1:426:A:ARG:HD3	1:401:A:ASN:HD21	6	0.11
(1,654)	1:354:A:ILE:HD13	1:354:A:ILE:H	10	0.11
(1,654)	1:354:A:ILE:HD13	1:354:A:ILE:H	15	0.11
(1,654)	1:354:A:ILE:HD11	1:354:A:ILE:H	16	0.11
(1,640)	1:354:A:ILE:H	1:354:A:ILE:HG21	8	0.11
(1,621)	1:352:A:ASN:HB2	1:367:A:VAL:HG12	17	0.11
(1,606)	1:351:A:GLU:HA	1:355:A:ARG:HB3	10	0.11
(1,606)	1:351:A:GLU:HA	1:355:A:ARG:HB3	13	0.11
(1,577)	1:347:A:ASP:HA	1:348:A:SER:HB3	19	0.11
(1,574)	1:348:A:SER:HA	1:351:A:GLU:HG2	14	0.11
(1,574)	1:348:A:SER:HA	1:351:A:GLU:HG2	18	0.11
(1,562)	1:347:A:ASP:HB2	1:350:A:TYR:HD2	2	0.11
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	7	0.11
(1,560)	1:347:A:ASP:HA	1:347:A:ASP:HB3	11	0.11
(1,542)	1:345:A:LEU:H	1:345:A:LEU:HD22	15	0.11
(1,541)	1:365:A:ARG:H	1:345:A:LEU:HD11	19	0.11
(1,463)	1:343:A:GLN:HE22	1:343:A:GLN:HG2	11	0.11
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	14	0.11
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	15	0.11
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG21	1	0.11
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG23	3	0.11
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG21	5	0.11
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG22	13	0.11
(1,440)	1:341:A:VAL:HA	1:341:A:VAL:HG11	10	0.11
(1,440)	1:341:A:VAL:HA	1:341:A:VAL:HG13	17	0.11
(1,394)	1:376:A:TRP:HD1	1:337:A:LEU:HD21	12	0.11
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	8	0.11
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	11	0.11
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	9	0.11
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	15	0.11
(1,334)	1:413:A:PHE:HZ	1:405:A:LYS:HD2	1	0.11
(1,334)	1:413:A:PHE:HZ	1:405:A:LYS:HD2	15	0.11
(1,322)	1:413:A:PHE:HD1	1:413:A:PHE:HA	1	0.11
(1,322)	1:413:A:PHE:HD1	1:413:A:PHE:HA	15	0.11
(1,278)	1:387:A:TYR:HD2	1:387:A:TYR:H	13	0.11
(1,258)	1:375:A:LEU:HD23	1:350:A:TYR:HE1	13	0.11
(1,258)	1:375:A:LEU:HD23	1:350:A:TYR:HE1	15	0.11
(1,205)	1:340:A:TYR:HB2	1:340:A:TYR:HD2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB3	15	0.11
(1,193)	1:340:A:TYR:HA	1:343:A:GLN:HB3	19	0.11
(1,174)	1:415:A:PHE:HA	1:404:A:ARG:H	2	0.11
(1,174)	1:415:A:PHE:HA	1:404:A:ARG:H	19	0.11
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	12	0.11
(1,152)	1:364:A:PHE:HD2	1:364:A:PHE:HB2	8	0.11
(1,100)	1:379:A:HIS:HD2	1:380:A:LYS:HG3	19	0.11
(1,96)	1:379:A:HIS:HB2	1:379:A:HIS:HD2	18	0.11
(1,85)	1:432:A:HIS:HD2	1:430:A:LEU:HA	11	0.11
(1,85)	1:432:A:HIS:HD2	1:430:A:LEU:HA	17	0.11
(1,83)	1:432:A:HIS:HB2	1:432:A:HIS:HD2	16	0.11
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD11	19	0.11
(1,24)	1:376:A:TRP:HD1	1:380:A:LYS:HE2	17	0.11
(1,3772)	1:417:A:LYS:H	1:417:A:LYS:HE3	18	0.1
(1,3720)	1:373:A:ALA:H	1:372:A:LEU:HD12	1	0.1
(1,3707)	1:373:A:ALA:H	1:372:A:LEU:HD13	19	0.1
(1,3688)	1:366:A:ILE:H	1:354:A:ILE:HG13	5	0.1
(1,3678)	1:364:A:PHE:H	1:363:A:ILE:HB	1	0.1
(1,3635)	1:344:A:LEU:H	1:341:A:VAL:HG21	6	0.1
(1,3585)	1:366:A:ILE:HG23	1:372:A:LEU:HB2	18	0.1
(1,3579)	1:410:A:ARG:HA	1:410:A:ARG:HD3	5	0.1
(1,3572)	1:336:A:LEU:HD22	1:376:A:TRP:HH2	15	0.1
(1,3526)	1:375:A:LEU:HA	1:375:A:LEU:HG	10	0.1
(1,3526)	1:375:A:LEU:HA	1:375:A:LEU:HG	20	0.1
(1,3502)	1:418:A:THR:H	1:417:A:LYS:HD3	16	0.1
(1,3500)	1:417:A:LYS:HD3	1:421:A:GLU:H	15	0.1
(1,3471)	1:341:A:VAL:HG11	1:415:A:PHE:HZ	11	0.1
(1,3468)	1:415:A:PHE:HA	1:416:A:MET:HB2	10	0.1
(1,3434)	1:355:A:ARG:HD2	1:351:A:GLU:HB2	5	0.1
(1,3433)	1:392:A:ARG:HG3	1:392:A:ARG:HD2	19	0.1
(1,3427)	1:357:A:GLU:HB3	1:412:A:LEU:HD21	7	0.1
(1,3411)	1:404:A:ARG:HG2	1:404:A:ARG:HD2	19	0.1
(1,3403)	1:404:A:ARG:HG2	1:404:A:ARG:HD3	15	0.1
(1,3379)	1:430:A:LEU:HG	1:427:A:THR:HA	10	0.1
(1,3376)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	15	0.1
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	10	0.1
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	17	0.1
(1,3370)	1:399:A:LYS:HB3	1:399:A:LYS:HG3	19	0.1
(1,3337)	1:410:A:ARG:HG2	1:410:A:ARG:HD3	4	0.1
(1,3316)	1:390:A:MET:HG3	1:376:A:TRP:HD1	3	0.1
(1,3314)	1:386:A:THR:H	1:389:A:LYS:HA	1	0.1
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3305)	1:390:A:MET:HA	1:390:A:MET:HB2	9	0.1
(1,3304)	1:386:A:THR:H	1:389:A:LYS:HA	11	0.1
(1,3303)	1:434:A:GLU:HG2	1:393:A:ALA:HB3	1	0.1
(1,3297)	1:383:A:THR:HB	1:384:A:ASN:HB2	6	0.1
(1,3268)	1:372:A:LEU:HD21	1:375:A:LEU:HB2	9	0.1
(1,3254)	1:431:A:GLU:HA	1:431:A:GLU:HG2	4	0.1
(1,3207)	1:357:A:GLU:HG3	1:363:A:ILE:HG23	17	0.1
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG23	15	0.1
(1,3206)	1:361:A:SER:HB2	1:363:A:ILE:HG22	16	0.1
(1,3201)	1:358:A:ASP:HB3	1:363:A:ILE:HG12	19	0.1
(1,3144)	1:356:A:TRP:HB2	1:359:A:LYS:HD2	10	0.1
(1,3133)	1:345:A:LEU:HD11	1:355:A:ARG:HB3	20	0.1
(1,3073)	1:364:A:PHE:HZ	1:341:A:VAL:HG21	2	0.1
(1,2986)	1:387:A:TYR:HB3	1:370:A:ASN:HA	6	0.1
(1,2983)	1:350:A:TYR:HE2	1:349:A:ARG:HD3	3	0.1
(1,2976)	1:349:A:ARG:H	1:350:A:TYR:HD2	17	0.1
(1,2963)	1:340:A:TYR:HD2	1:375:A:LEU:HB3	10	0.1
(1,2963)	1:340:A:TYR:HD2	1:375:A:LEU:HB3	20	0.1
(1,2946)	1:415:A:PHE:HB2	1:362:A:LYS:HD3	16	0.1
(1,2912)	1:375:A:LEU:HB2	1:376:A:TRP:HB3	20	0.1
(1,2910)	1:376:A:TRP:HH2	1:380:A:LYS:HD2	13	0.1
(1,2898)	1:423:A:MET:H	1:422:A:ILE:HG22	9	0.1
(1,2896)	1:414:A:ARG:H	1:403:A:ILE:HG21	15	0.1
(1,2885)	1:402:A:ILE:HD11	1:403:A:ILE:H	2	0.1
(1,2885)	1:402:A:ILE:HD12	1:403:A:ILE:H	15	0.1
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB3	12	0.1
(1,2876)	1:393:A:ALA:H	1:393:A:ALA:HB3	15	0.1
(1,2866)	1:373:A:ALA:H	1:372:A:LEU:HD13	5	0.1
(1,2850)	1:355:A:ARG:H	1:367:A:VAL:HG21	20	0.1
(1,2749)	1:418:A:THR:H	1:417:A:LYS:HB2	11	0.1
(1,2724)	1:414:A:ARG:H	1:416:A:MET:H	10	0.1
(1,2665)	1:401:A:ASN:H	1:401:A:ASN:HB3	9	0.1
(1,2515)	1:371:A:GLY:H	1:370:A:ASN:HB2	6	0.1
(1,2515)	1:371:A:GLY:H	1:370:A:ASN:HB2	17	0.1
(1,2509)	1:370:A:ASN:HD22	1:370:A:ASN:HA	3	0.1
(1,2484)	1:365:A:ARG:H	1:355:A:ARG:HD2	8	0.1
(1,2291)	1:355:A:ARG:H	1:364:A:PHE:HB3	17	0.1
(1,2249)	1:366:A:ILE:HD11	1:411:A:LEU:HD23	18	0.1
(1,2231)	1:372:A:LEU:HD13	1:344:A:LEU:HD12	1	0.1
(1,2231)	1:372:A:LEU:HD11	1:344:A:LEU:HD12	5	0.1
(1,2231)	1:372:A:LEU:HD12	1:344:A:LEU:HD11	13	0.1
(1,2210)	1:345:A:LEU:H	1:344:A:LEU:HD11	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2195)	1:430:A:LEU:H	1:429:A:ARG:HA	17	0.1
(1,2195)	1:430:A:LEU:H	1:429:A:ARG:HA	18	0.1
(1,2130)	1:356:A:TRP:HH2	1:362:A:LYS:HD2	13	0.1
(1,2125)	1:436:A:GLN:H	1:436:A:GLN:HB3	4	0.1
(1,2113)	1:435:A:SER:HB2	1:435:A:SER:HA	8	0.1
(1,2113)	1:435:A:SER:HB2	1:435:A:SER:HA	9	0.1
(1,2113)	1:435:A:SER:HB2	1:435:A:SER:HA	17	0.1
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	2	0.1
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	5	0.1
(1,2082)	1:433:A:LEU:HG	1:433:A:LEU:HA	12	0.1
(1,2071)	1:370:A:ASN:HA	1:373:A:ALA:HB2	18	0.1
(1,2056)	1:400:A:LEU:HB2	1:430:A:LEU:HD13	13	0.1
(1,2044)	1:430:A:LEU:H	1:430:A:LEU:HB3	1	0.1
(1,2044)	1:430:A:LEU:H	1:430:A:LEU:HB3	11	0.1
(1,2044)	1:430:A:LEU:H	1:430:A:LEU:HB3	17	0.1
(1,2025)	1:429:A:ARG:H	1:429:A:ARG:HB3	4	0.1
(1,2025)	1:429:A:ARG:H	1:429:A:ARG:HB3	20	0.1
(1,2023)	1:428:A:ASP:HB2	1:429:A:ARG:HG3	20	0.1
(1,2017)	1:427:A:THR:HG22	1:338:A:TRP:HD1	3	0.1
(1,2015)	1:426:A:ARG:H	1:427:A:THR:HG23	9	0.1
(1,1978)	1:423:A:MET:HB3	1:423:A:MET:H	4	0.1
(1,1976)	1:423:A:MET:HG3	1:424:A:SER:H	5	0.1
(1,1938)	1:342:A:TYR:HA	1:345:A:LEU:HG	16	0.1
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	8	0.1
(1,1815)	1:415:A:PHE:HE1	1:338:A:TRP:HE1	9	0.1
(1,1794)	1:404:A:ARG:HG3	1:405:A:LYS:HA	20	0.1
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	17	0.1
(1,1785)	1:415:A:PHE:H	1:414:A:ARG:HB2	20	0.1
(1,1782)	1:363:A:ILE:HG21	1:414:A:ARG:HA	6	0.1
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	11	0.1
(1,1757)	1:412:A:LEU:HG	1:406:A:GLU:H	19	0.1
(1,1752)	1:409:A:GLN:HB3	1:412:A:LEU:HB3	20	0.1
(1,1722)	1:411:A:LEU:HB2	1:413:A:PHE:HE1	12	0.1
(1,1706)	1:410:A:ARG:H	1:410:A:ARG:HB2	13	0.1
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	9	0.1
(1,1701)	1:412:A:LEU:H	1:410:A:ARG:HA	14	0.1
(1,1661)	1:406:A:GLU:HA	1:407:A:PRO:HD2	12	0.1
(1,1661)	1:406:A:GLU:HA	1:407:A:PRO:HD2	15	0.1
(1,1661)	1:406:A:GLU:HA	1:407:A:PRO:HD2	17	0.1
(1,1643)	1:406:A:GLU:HG2	1:409:A:GLN:HG3	18	0.1
(1,1636)	1:406:A:GLU:HG3	1:414:A:ARG:H	18	0.1
(1,1628)	1:405:A:LYS:HG2	1:405:A:LYS:HE2	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1628)	1:405:A:LYS:HG2	1:405:A:LYS:HE2	12	0.1
(1,1628)	1:405:A:LYS:HG2	1:405:A:LYS:HE2	17	0.1
(1,1585)	1:404:A:ARG:HG3	1:404:A:ARG:HA	4	0.1
(1,1564)	1:397:A:TYR:HB3	1:403:A:ILE:HD12	7	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	1	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	2	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	3	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	4	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	5	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	7	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	8	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	9	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	14	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	17	0.1
(1,1540)	1:403:A:ILE:HA	1:403:A:ILE:HB	19	0.1
(1,1519)	1:402:A:ILE:HG12	1:402:A:ILE:HG23	3	0.1
(1,1516)	1:397:A:TYR:HB3	1:402:A:ILE:HB	3	0.1
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD21	9	0.1
(1,1494)	1:400:A:LEU:HG	1:400:A:LEU:HD22	17	0.1
(1,1472)	1:399:A:LYS:HD2	1:398:A:TYR:H	6	0.1
(1,1472)	1:399:A:LYS:HD2	1:398:A:TYR:H	17	0.1
(1,1366)	1:391:A:SER:HB3	1:394:A:LEU:H	15	0.1
(1,1332)	1:389:A:LYS:HG3	1:389:A:LYS:HD2	8	0.1
(1,1331)	1:389:A:LYS:HB2	1:389:A:LYS:HD3	14	0.1
(1,1315)	1:389:A:LYS:H	1:389:A:LYS:HG2	4	0.1
(1,1315)	1:389:A:LYS:H	1:389:A:LYS:HG2	14	0.1
(1,1291)	1:386:A:THR:HG23	1:389:A:LYS:HE2	7	0.1
(1,1284)	1:385:A:MET:H	1:385:A:MET:HG3	4	0.1
(1,1284)	1:385:A:MET:H	1:385:A:MET:HG2	8	0.1
(1,1284)	1:385:A:MET:H	1:385:A:MET:HG3	9	0.1
(1,1245)	1:382:A:ARG:HB2	1:382:A:ARG:HD2	4	0.1
(1,1245)	1:382:A:ARG:HB2	1:382:A:ARG:HD2	7	0.1
(1,1245)	1:382:A:ARG:HB2	1:382:A:ARG:HD2	10	0.1
(1,1241)	1:377:A:GLY:HA3	1:382:A:ARG:HB3	7	0.1
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	5	0.1
(1,1180)	1:378:A:ASN:HB3	1:375:A:LEU:HA	7	0.1
(1,1178)	1:378:A:ASN:HD21	1:378:A:ASN:HB3	19	0.1
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	4	0.1
(1,1173)	1:378:A:ASN:HA	1:378:A:ASN:HB2	6	0.1
(1,1071)	1:342:A:TYR:HB3	1:356:A:TRP:HZ2	7	0.1
(1,1071)	1:342:A:TYR:HB3	1:356:A:TRP:HZ2	9	0.1
(1,1071)	1:342:A:TYR:HB3	1:356:A:TRP:HZ2	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:367:A:VAL:HB	1:367:A:VAL:HG11	17	0.1
(1,995)	1:352:A:ASN:HB3	1:367:A:VAL:HG11	11	0.1
(1,987)	1:367:A:VAL:HA	1:367:A:VAL:HG22	2	0.1
(1,987)	1:367:A:VAL:HA	1:367:A:VAL:HG21	13	0.1
(1,978)	1:366:A:ILE:HD12	1:366:A:ILE:HG12	17	0.1
(1,959)	1:372:A:LEU:H	1:366:A:ILE:HG21	3	0.1
(1,854)	1:362:A:LYS:H	1:362:A:LYS:HG3	19	0.1
(1,760)	1:357:A:GLU:HG3	1:357:A:GLU:HA	2	0.1
(1,757)	1:357:A:GLU:HB3	1:412:A:LEU:HD22	4	0.1
(1,677)	1:355:A:ARG:HA	1:355:A:ARG:HB3	17	0.1
(1,654)	1:354:A:ILE:HD13	1:354:A:ILE:H	18	0.1
(1,641)	1:354:A:ILE:HG22	1:345:A:LEU:H	20	0.1
(1,640)	1:354:A:ILE:H	1:354:A:ILE:HG23	19	0.1
(1,580)	1:348:A:SER:HB2	1:351:A:GLU:HG2	5	0.1
(1,542)	1:345:A:LEU:H	1:345:A:LEU:HD23	7	0.1
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	1	0.1
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	2	0.1
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	6	0.1
(1,463)	1:343:A:GLN:HG3	1:343:A:GLN:HE22	16	0.1
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG23	6	0.1
(1,448)	1:364:A:PHE:HZ	1:341:A:VAL:HG23	10	0.1
(1,443)	1:337:A:LEU:HD21	1:341:A:VAL:HG12	13	0.1
(1,415)	1:338:A:TRP:HZ3	1:342:A:TYR:HD2	1	0.1
(1,415)	1:338:A:TRP:HZ3	1:342:A:TYR:HD2	5	0.1
(1,394)	1:376:A:TRP:HD1	1:337:A:LEU:HD21	8	0.1
(1,375)	1:337:A:LEU:HD12	1:393:A:ALA:HB2	18	0.1
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	14	0.1
(1,368)	1:338:A:TRP:H	1:337:A:LEU:HG	18	0.1
(1,365)	1:376:A:TRP:HH2	1:337:A:LEU:HB3	11	0.1
(1,322)	1:413:A:PHE:HD1	1:413:A:PHE:HA	18	0.1
(1,305)	1:397:A:TYR:HE1	1:393:A:ALA:HB1	15	0.1
(1,278)	1:387:A:TYR:HD2	1:387:A:TYR:H	4	0.1
(1,161)	1:417:A:LYS:H	1:415:A:PHE:HB2	17	0.1
(1,147)	1:364:A:PHE:HA	1:345:A:LEU:HD22	2	0.1
(1,108)	1:396:A:HIS:HB3	1:433:A:LEU:HD11	17	0.1
(1,100)	1:379:A:HIS:HD2	1:380:A:LYS:HG3	12	0.1
(1,82)	1:432:A:HIS:HD2	1:431:A:GLU:HB2	18	0.1
(1,79)	1:433:A:LEU:H	1:432:A:HIS:HB2	4	0.1
(1,66)	1:375:A:LEU:HB2	1:375:A:LEU:HD12	12	0.1

10 Dihedral-angle violation analysis

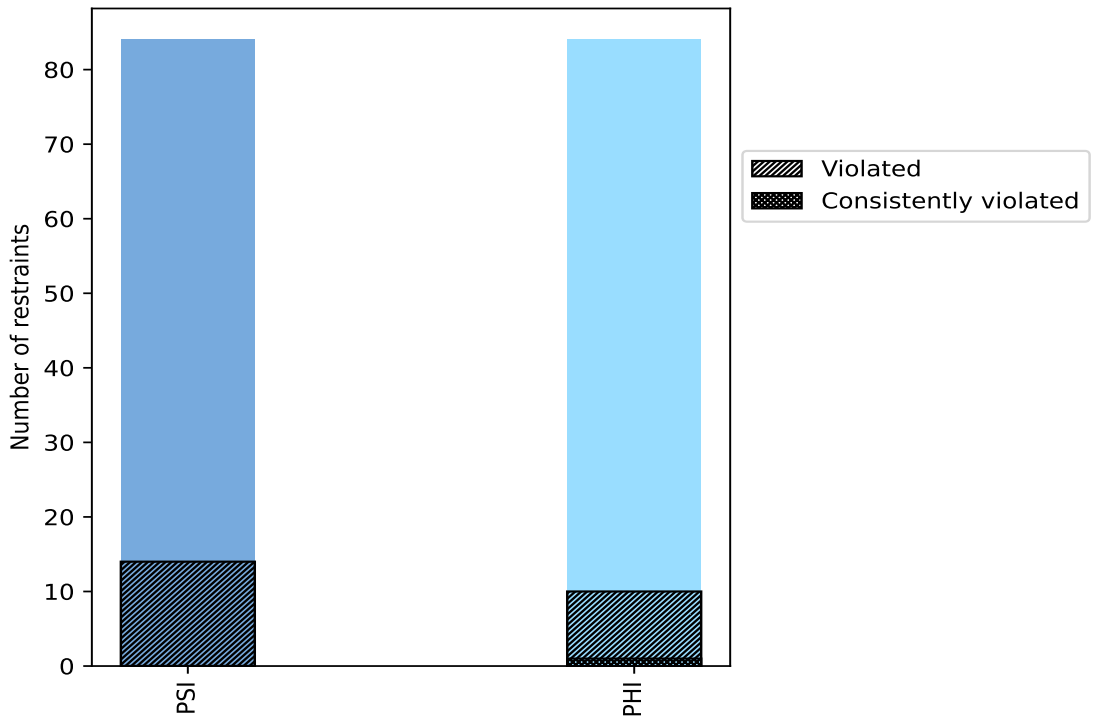
10.1 Summary of dihedral-angle violations

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

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PSI	84	50.0	14	16.7	8.3	0	0.0	0.0
PHI	84	50.0	10	11.9	6.0	1	1.2	0.6
Total	168	100.0	24	14.3	14.3	1	0.6	0.6

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



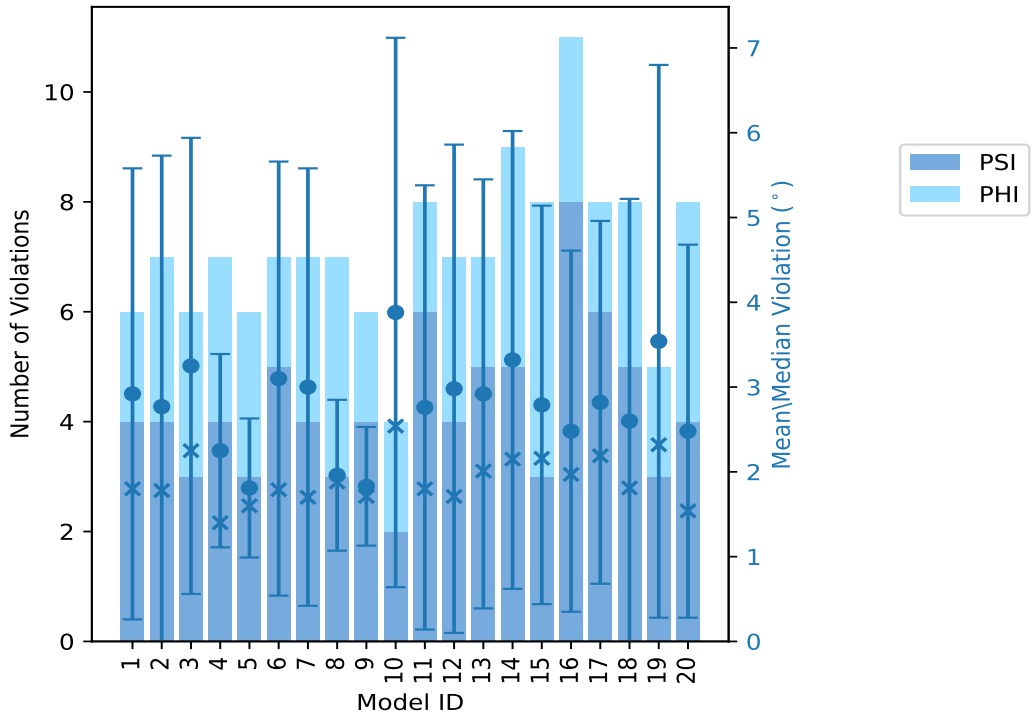
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	4	2	6	2.92	8.67	2.66	1.8
2	4	3	7	2.77	10.01	2.96	1.78
3	3	3	6	3.25	9.15	2.69	2.25
4	4	3	7	2.25	3.95	1.14	1.4
5	3	3	6	1.81	3.47	0.82	1.6
6	5	2	7	3.1	9.15	2.56	1.79
7	4	3	7	3.0	9.08	2.58	1.7
8	3	4	7	1.96	3.83	0.89	1.88
9	4	2	6	1.83	3.25	0.7	1.71
10	2	2	4	3.88	9.35	3.24	2.54
11	6	2	8	2.76	9.63	2.62	1.8
12	4	3	7	2.98	9.9	2.88	1.71
13	5	2	7	2.92	8.93	2.53	2.01
14	5	4	9	3.32	9.62	2.7	2.15
15	3	5	8	2.79	8.9	2.35	2.16
16	8	3	11	2.48	8.68	2.13	1.97
17	6	2	8	2.82	8.32	2.14	2.19
18	5	3	8	2.6	9.43	2.62	1.81
19	3	2	5	3.54	9.97	3.26	2.32
20	4	4	8	2.48	8.09	2.2	1.54

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

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

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
4	2	6	1	5.0
2	4	6	2	10.0
2	1	3	3	15.0
0	0	0	4	20.0
1	0	1	5	25.0
0	1	1	6	30.0
1	0	1	7	35.0
0	0	0	8	40.0
0	0	0	9	45.0
1	0	1	10	50.0
0	0	0	11	55.0

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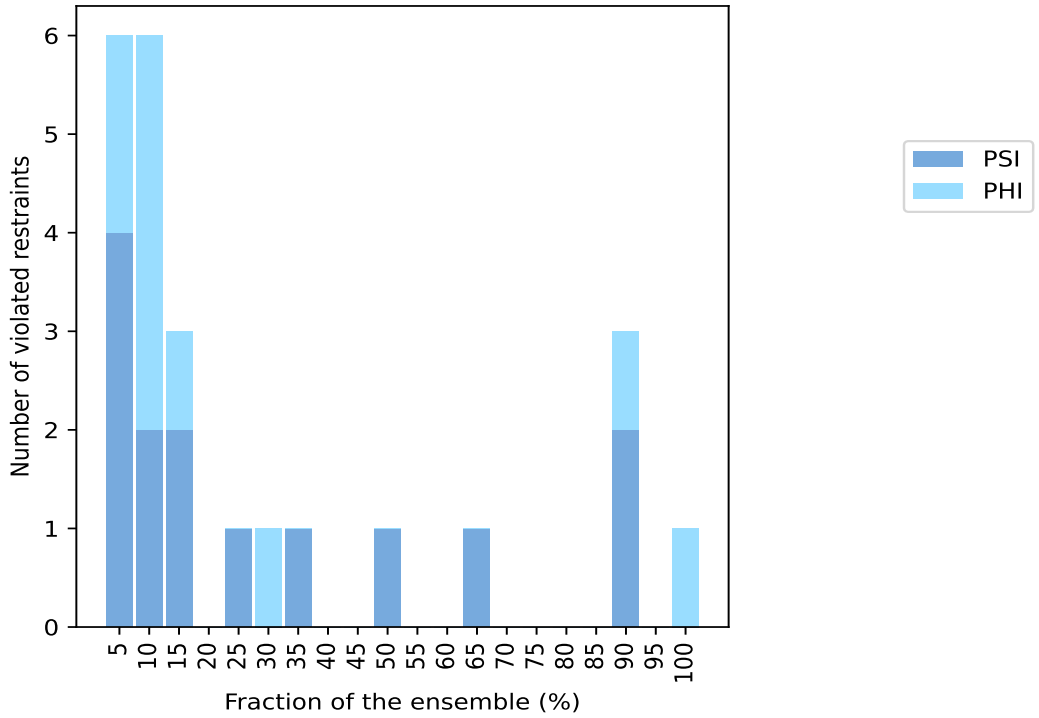
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
0	0	0	12	60.0
1	0	1	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
2	1	3	18	90.0
0	0	0	19	95.0
0	1	1	20	100.0

[1] Number of models with violations

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

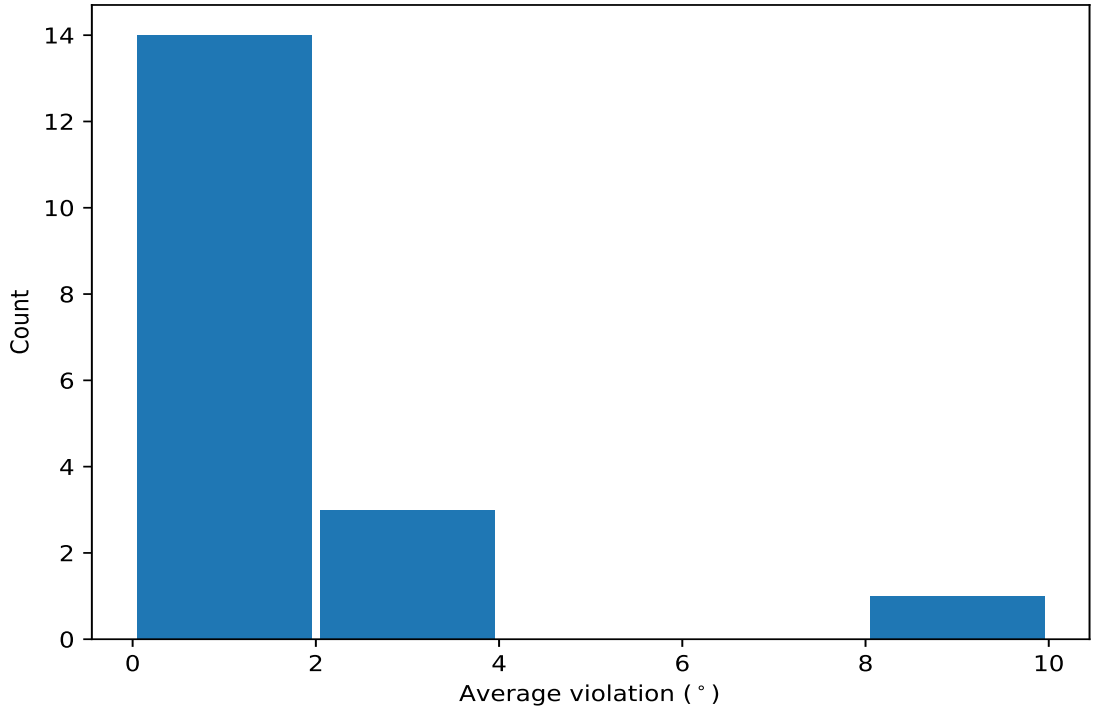


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

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

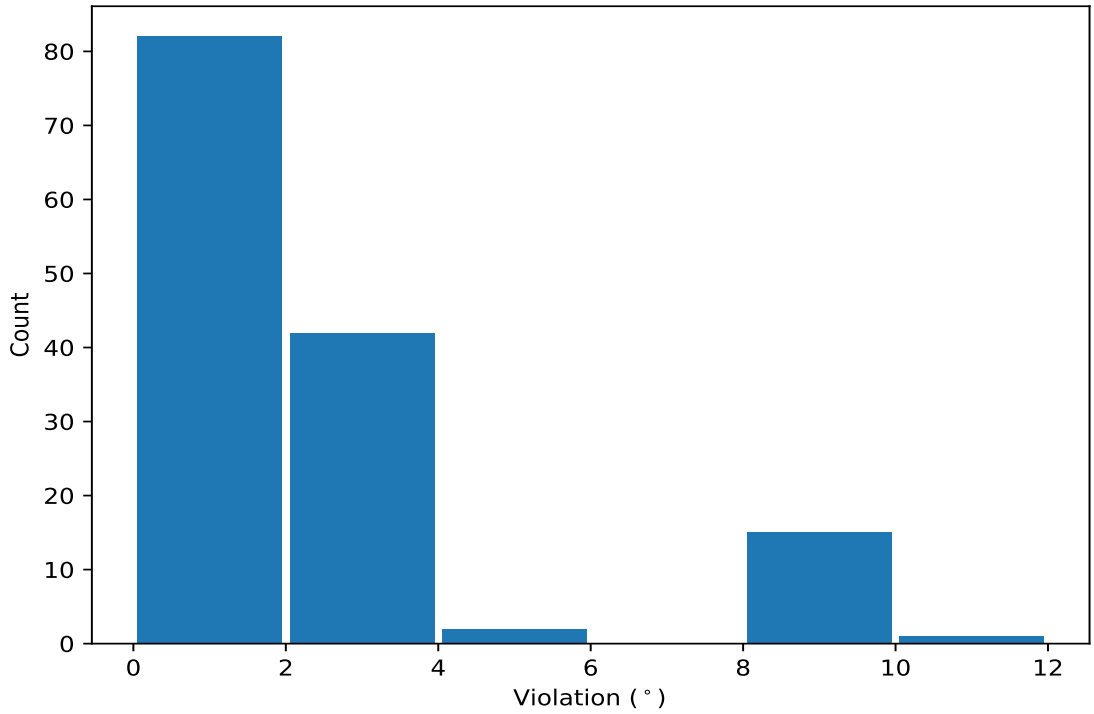
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	20	8.05	2.31	9.0
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	18	2.53	0.66	2.6
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	18	1.78	0.47	1.94
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	18	1.7	0.4	1.66
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	13	1.66	0.54	1.44
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	10	1.64	0.8	1.48
(1,160)	1:423:A:MET:N	1:423:A:MET:CA	1:423:A:MET:C	1:424:A:SER:N	7	2.9	1.15	2.52
(1,80)	1:429:A:ARG:C	1:430:A:LEU:N	1:430:A:LEU:CA	1:430:A:LEU:C	6	2.5	1.37	1.76
(1,123)	1:380:A:LYS:N	1:380:A:LYS:CA	1:380:A:LYS:C	1:381:A:ASN:N	5	1.68	0.46	2.0
(1,161)	1:424:A:SER:N	1:424:A:SER:CA	1:424:A:SER:C	1:425:A:GLY:N	3	1.33	0.16	1.37
(1,4)	1:339:A:ASP:C	1:340:A:TYR:N	1:340:A:TYR:CA	1:340:A:TYR:C	3	1.28	0.31	1.11
(1,149)	1:409:A:GLN:N	1:409:A:GLN:CA	1:409:A:GLN:C	1:410:A:ARG:N	3	1.18	0.06	1.14
(1,81)	1:430:A:LEU:C	1:431:A:GLU:N	1:431:A:GLU:CA	1:431:A:GLU:C	2	1.74	0.51	1.74
(1,144)	1:404:A:ARG:N	1:404:A:ARG:CA	1:404:A:ARG:C	1:405:A:LYS:N	2	1.72	0.4	1.72
(1,32)	1:372:A:LEU:C	1:373:A:ALA:N	1:373:A:ALA:CA	1:373:A:ALA:C	2	1.57	0.22	1.57
(1,79)	1:428:A:ASP:C	1:429:A:ARG:N	1:429:A:ARG:CA	1:429:A:ARG:C	2	1.52	0.24	1.52
(1,114)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LEU:N	2	1.4	0.11	1.4
(1,11)	1:347:A:ASP:C	1:348:A:SER:N	1:348:A:SER:CA	1:348:A:SER:C	2	1.29	0.14	1.29

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

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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



10.5.2 Table: All violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	2	10.01
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	19	9.97
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	12	9.9
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	11	9.63
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	14	9.62
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	18	9.43
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	10	9.35
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	3	9.15
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	6	9.15
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	7	9.08
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	13	8.93
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	15	8.9
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	16	8.68
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1	8.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	17	8.32
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	20	8.09
(1,80)	1:429:A:ARG:C	1:430:A:LEU:N	1:430:A:LEU:CA	1:430:A:LEU:C	14	5.34
(1,160)	1:423:A:MET:N	1:423:A:MET:CA	1:423:A:MET:C	1:424:A:SER:N	14	5.16
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	4	3.95
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	8	3.83
(1,160)	1:423:A:MET:N	1:423:A:MET:CA	1:423:A:MET:C	1:424:A:SER:N	16	3.81
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	4	3.63
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	5	3.47
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	7	3.4
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	6	3.25
(1,63)	1:406:A:GLU:C	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	9	3.25
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	13	3.21
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	1	3.17
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	10	3.13
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	12	3.11
(1,80)	1:429:A:ARG:C	1:430:A:LEU:N	1:430:A:LEU:CA	1:430:A:LEU:C	4	3.03
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	16	2.96
(1,160)	1:423:A:MET:N	1:423:A:MET:CA	1:423:A:MET:C	1:424:A:SER:N	17	2.93
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	3	2.9
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	20	2.88
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	6	2.88
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	19	2.71
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	15	2.7
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	11	2.56
(1,160)	1:423:A:MET:N	1:423:A:MET:CA	1:423:A:MET:C	1:424:A:SER:N	7	2.52
(1,160)	1:423:A:MET:N	1:423:A:MET:CA	1:423:A:MET:C	1:424:A:SER:N	8	2.5
(1,49)	1:392:A:ARG:C	1:393:A:ALA:N	1:393:A:ALA:CA	1:393:A:ALA:C	3	2.4
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	17	2.38
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	14	2.34
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	19	2.32
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	18	2.26
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	17	2.25
(1,81)	1:430:A:LEU:C	1:431:A:GLU:N	1:431:A:GLU:CA	1:431:A:GLU:C	20	2.25
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	15	2.21
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	15	2.18
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	14	2.15
(1,123)	1:380:A:LYS:N	1:380:A:LYS:CA	1:380:A:LYS:C	1:381:A:ASN:N	15	2.15
(1,144)	1:404:A:ARG:N	1:404:A:ARG:CA	1:404:A:ARG:C	1:405:A:LYS:N	17	2.13
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	13	2.11
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	3	2.1
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	11	2.09
(1,160)	1:423:A:MET:N	1:423:A:MET:CA	1:423:A:MET:C	1:424:A:SER:N	13	2.01
(1,123)	1:380:A:LYS:N	1:380:A:LYS:CA	1:380:A:LYS:C	1:381:A:ASN:N	5	2.01
(1,123)	1:380:A:LYS:N	1:380:A:LYS:CA	1:380:A:LYS:C	1:381:A:ASN:N	18	2.0
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	16	2.0
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	18	1.99
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	16	1.98
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	9	1.97
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	16	1.97
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	17	1.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	8	1.94
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	10	1.94
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	12	1.93
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	8	1.88
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	11	1.87
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	1	1.85
(1,80)	1:429:A:ARG:C	1:430:A:LEU:N	1:430:A:LEU:CA	1:430:A:LEU:C	2	1.83
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	3	1.83
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	2	1.79
(1,32)	1:372:A:LEU:C	1:373:A:ALA:N	1:373:A:ALA:CA	1:373:A:ALA:C	6	1.79
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	2	1.78
(1,79)	1:428:A:ASP:C	1:429:A:ARG:N	1:429:A:ARG:CA	1:429:A:ARG:C	5	1.77
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	9	1.76
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	1	1.75
(1,158)	1:421:A:GLU:N	1:421:A:GLU:CA	1:421:A:GLU:C	1:422:A:ILE:N	6	1.74
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	11	1.73
(1,4)	1:339:A:ASP:C	1:340:A:TYR:N	1:340:A:TYR:CA	1:340:A:TYR:C	12	1.71
(1,80)	1:429:A:ARG:C	1:430:A:LEU:N	1:430:A:LEU:CA	1:430:A:LEU:C	7	1.7
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	9	1.66
(1,80)	1:429:A:ARG:C	1:430:A:LEU:N	1:430:A:LEU:CA	1:430:A:LEU:C	18	1.63
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	7	1.6
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	11	1.59
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	19	1.59
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	20	1.59
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	2	1.58
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	6	1.57
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	14	1.55
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	17	1.52
(1,161)	1:424:A:SER:N	1:424:A:SER:CA	1:424:A:SER:C	1:425:A:GLY:N	12	1.51
(1,114)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LEU:N	13	1.51
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	14	1.49
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	20	1.48
(1,80)	1:429:A:ARG:C	1:430:A:LEU:N	1:430:A:LEU:CA	1:430:A:LEU:C	15	1.46
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	12	1.46
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	7	1.44
(1,11)	1:347:A:ASP:C	1:348:A:SER:N	1:348:A:SER:CA	1:348:A:SER:C	15	1.43
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	5	1.42
(1,160)	1:423:A:MET:N	1:423:A:MET:CA	1:423:A:MET:C	1:424:A:SER:N	4	1.4
(1,126)	1:386:A:THR:N	1:386:A:THR:CA	1:386:A:THR:C	1:387:A:TYR:N	16	1.4
(1,46)	1:389:A:LYS:C	1:390:A:MET:N	1:390:A:MET:CA	1:390:A:MET:C	8	1.38
(1,161)	1:424:A:SER:N	1:424:A:SER:CA	1:424:A:SER:C	1:425:A:GLY:N	11	1.37
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	4	1.37
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	20	1.35
(1,32)	1:372:A:LEU:C	1:373:A:ALA:N	1:373:A:ALA:CA	1:373:A:ALA:C	13	1.35
(1,144)	1:404:A:ARG:N	1:404:A:ARG:CA	1:404:A:ARG:C	1:405:A:LYS:N	13	1.32
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	2	1.3
(1,114)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LEU:N	6	1.29
(1,79)	1:428:A:ASP:C	1:429:A:ARG:N	1:429:A:ARG:CA	1:429:A:ARG:C	15	1.28
(1,149)	1:409:A:GLN:N	1:409:A:GLN:CA	1:409:A:GLN:C	1:410:A:ARG:N	11	1.27
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	4	1.26
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	16	1.26

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	18	1.24
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	12	1.23
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	7	1.23
(1,81)	1:430:A:LEU:C	1:431:A:GLU:N	1:431:A:GLU:CA	1:431:A:GLU:C	14	1.23
(1,150)	1:411:A:LEU:N	1:411:A:LEU:CA	1:411:A:LEU:C	1:412:A:LEU:N	9	1.21
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	20	1.19
(1,123)	1:380:A:LYS:N	1:380:A:LYS:CA	1:380:A:LYS:C	1:381:A:ASN:N	9	1.15
(1,11)	1:347:A:ASP:C	1:348:A:SER:N	1:348:A:SER:CA	1:348:A:SER:C	16	1.15
(1,149)	1:409:A:GLN:N	1:409:A:GLN:CA	1:409:A:GLN:C	1:410:A:ARG:N	3	1.14
(1,149)	1:409:A:GLN:N	1:409:A:GLN:CA	1:409:A:GLN:C	1:410:A:ARG:N	2	1.13
(1,161)	1:424:A:SER:N	1:424:A:SER:CA	1:424:A:SER:C	1:425:A:GLY:N	18	1.12
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	19	1.12
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	10	1.12
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	4	1.12
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	5	1.11
(1,4)	1:339:A:ASP:C	1:340:A:TYR:N	1:340:A:TYR:CA	1:340:A:TYR:C	8	1.11
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	8	1.1
(1,123)	1:380:A:LYS:N	1:380:A:LYS:CA	1:380:A:LYS:C	1:381:A:ASN:N	1	1.1
(1,31)	1:371:A:GLY:C	1:372:A:LEU:N	1:372:A:LEU:CA	1:372:A:LEU:C	18	1.09
(1,148)	1:408:A:GLY:N	1:408:A:GLY:CA	1:408:A:GLY:C	1:409:A:GLN:N	16	1.07
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	5	1.07
(1,96)	1:349:A:ARG:N	1:349:A:ARG:CA	1:349:A:ARG:C	1:350:A:TYR:N	17	1.06
(1,85)	1:337:A:LEU:N	1:337:A:LEU:CA	1:337:A:LEU:C	1:338:A:TRP:N	14	1.04
(1,98)	1:351:A:GLU:N	1:351:A:GLU:CA	1:351:A:GLU:C	1:352:A:ASN:N	16	1.02
(1,4)	1:339:A:ASP:C	1:340:A:TYR:N	1:340:A:TYR:CA	1:340:A:TYR:C	20	1.02
(1,147)	1:407:A:PRO:N	1:407:A:PRO:CA	1:407:A:PRO:C	1:408:A:GLY:N	1	1.01